

Australian

Wild

bushwalking, ski touring
canoeing and climbing magazine

SURVEY
WinterTents

Photographing
Halley's Comet

Survey: where
to ski tour

Doug Scott
interview

Kayak meets
whales

Bushwalking:
Mt Feathertop,
Royal National Park,
epic historic walk

AUSTRALIA'S WILDERNESS ADVENTURE MAGAZINE

\$4.50* AUTUMN (APRIL MAY JUNE), 1986, ISSUE 20

NOW AVAILABLE IN

LIGHTWEIGHT



Chlorofibre takes 8 seconds

Nature uses the evaporation of body moisture to cool your skin when you're hot, but that evaporation can be a real killer in cold weather. If you want to keep warm, you have to keep dry – and that's where chlorofibre scores over other fibres.

Chlorofibre garments move perspiration away from the skin with uncanny effectiveness. They insulate like nothing else you've ever worn. They wash and dry easily. Most other fibres do not move moisture away, they swell and retain it. Scientific tests prove Chlorofibre moves it in 8 seconds!

The next best is polypropylene in 4 minutes.



Peter Storm®

Makes great looking Sportsmen

Peter Storm (Australasia) Pty Ltd

Suite 2, corner of Polo Ave and By The Sea Road,
Mona Vale, N.S.W. 2103 Australia

Telephone: 997 3611 Telex: PCH AA27799

Available in
White and Navy Blue



Autumn (April May June) 1986, Vol 6 No 2 (issue 20)

\$NZ5.95* \$4.50

- 28 **Halley's Here** A once-in-a-lifetime opportunity in wilderness photography, by David Gorrie
- 32 **Mt Feathertop** An audience with the Queen of the Victorian Alps, by Klaus Hueneker
- 38 **Doug Scott** Quentin Chester interviews one of the world's most successful Himalayan mountaineers
- 42 **Whale Tragedy** Tony Dicker recalls his bitter-sweet encounter with whales trapped on Tasmania's south-west coast
- 44 **A Bush Christmas, 1904** Klaus Hueneker reconstructs an epic walk from Bright to Mallacoota by way of Mt Bogong and Mt Kosciuszko
- 3 **Editorial** Timberrr
- 13 **Wild Information**
- 25 **Getting Started** Adventure Travel Medicine
- 50 **Folio** The Victorian Alps, by David Tatnall
- 54 **Track Notes** Royal National Park
- 59 **Wild Activities Survey** Skiing the Australian Alps
- 65 **Wild Gear Survey** Winter Tents
- 69 **Reviews**
- 77 **Equipment**
- 81 **Contributors**
- 83 **Wildfire** Letters to the Editor
- 96 **Wild Shot**

Cover Breakfast on Pindars Peak, South-west Tasmania. Photo Grant Dixon. Contents Damp conditions under foot in the Guy Fawkes River National Park, New South Wales. Photo John Turbill.
 *Maximum recommended retail price only

LOOK AT RAINWEAR FROM A NEW ANGLE

Practical, functional
garments in a choice
of classical style
and traditional
fabrics,
or innovative models
in breathable
'space-age' GORE-TEX®

Paddy Pallin
RIVER SERIES Rainwear
for a new slant
on dryness



Paddy Pallin Adventure Equipment

SYDNEY	MIRANDA	PARRAMATTA	WOOLLAHRA
KATOOMBA	CANBERRA	JINDABYNE	MELBOURNE
LAUNCESTON	HOBART	ADELAIDE	PERTH

Timberrr

Editorial

Editor & Publisher Chris Baxter
Design & Advertising Michael Collie
Distribution Christine O'Brien
Administration Virginia Donaldson

Contributing Editors

Brian Walters Reviews
Geoff Schirmer Interviews
Sandra Bardwell Track Notes
Yvonne McLaughlin Canoeing
Stephen Burton Caving

Special Advisers Steve Colman, Roger Lembit, Dave Noble (NSW), Colin Monteath (NZ), Julian Mather (Qld), Bob Burton (Tas), Karen Alexander, John Chapman, Stephen Garnett, John Siseman, Glenn Tempest (Vic), Alan Tingay (WA)

Publisher Wild Publications Pty Ltd

Printing York Press Pty Ltd

Distribution Gordon and Gotch Limited

Subscription rates are currently \$18 for one year (four issues), or \$34.20 for two years, or \$48.40 for three years, by surface mail to addresses in Australia. Add \$A5.00 for each four issues to overseas addresses. When moving, advise us immediately of your new and old addresses to avoid lost or delayed copies. Please also send your address label from an envelope received with a copy of Wild.

Advertising rates available on request.

Copy deadlines (advertising and editorial): 8 October (summer issue), 15 January (autumn), 15 April (winter), 15 July (spring). See below for publication dates.

Contributions, preferably well illustrated with slides, are welcome. *Guidelines for Contributors* are available on receipt of a stamped addressed envelope. Submissions must be typewritten, double-spaced with wide margins, using only one side of the paper, and accompanied by an envelope and sufficient postage for their return. Names and addresses should be written on manuscripts and photos as well. While every care is taken, we accept no responsibility for material submitted. Articles represent the views of the authors, and not necessarily those of the publisher.

Editorial, advertising, subscription, distribution and general correspondence to: Wild Publications Pty Ltd, PO Box 415, Prahran, Victoria 3181, Australia. Phone (03) 240 8482

Wild is published quarterly in the middle of the month prior to cover date (cover dates: Jan-Mar, Apr-Jun, Jul-Sep, Oct-Dec) by Wild Publications Pty Ltd. The name Wild (ISSN 0726-2809) is registered as a trade mark, and the use of this name is prohibited. All material copyright © 1986 Wild Publications Pty Ltd. All rights reserved. No part of the contents of this publication may be reproduced without the prior written consent of the publisher. All attempts are made to verify advertising, track notes, route descriptions, maps and other information, but Wild cannot be held

responsible for erroneous, incomplete or misleading material. Audit Bureau of Circulations member. The ABC records independently audited fully paid sales of periodical publications. Wild's current ABC paid circulation figure is available from Wild.)

● THE FEDERAL GOVERNMENT'S DECISION, announced in December (see detailed report on page 13), to renew Tasmanian woodchip export licences for a further 15 years underlines the sad plight of Australia's remaining native forests. Conservationists see it as a grotesque precedent that will seriously jeopardize the survival of our forests, not only in Tasmania but throughout Australia.

As long ago as the Second World War, bushwalkers were expressing concern in journal articles over the effects of logging on Australia's native forests.

From one end of the country to the other, forests are being raped and cleared—the logging of Western Australia's karri forest; Queensland, northern New South Wales, and western Tasmanian rainforest; and Victoria's north-eastern, Otways and Gippsland regions, are among the most glaring examples of this short-sighted and selfish exploitation. Woodchipping has recently been in the news, and well it might, because of its wastefulness and wholesale destruction—largely for exports to Japan, a country unlikely to tear out its own limited and valuable forests while there are suckers ready and willing to destroy their own wild heritage! Destructive as it is, woodchipping only accounts for part of the ruin of our forests.

Since the earliest white settlement in Australia, the bush has apparently been regarded as an adversary. The earliest settlers feared the bush and its 'blacks', 'wild' animals and rugged, brooding loneliness. From this desire, born of fear, to 'drive back' the bush, emerged a 'wild west' mentality to profit from and exploit the bush. The latter attitude, in particular, persists to this day. In the early days, with few white settlers, primitive tools and extensive forests, it may have appeared a one-sided confrontation. Today it looks more uneven, only the balance has swung against the forests. The advent of aerial surveys, bulldozers, semi-trailers, and chain-saws, not to mention a vastly greater population, have seen to that. For decades a powerful, self-interested and short-sighted timber industry, aided and abetted by a conniving bureaucracy has ruined and reduced the extent of the heritage of untold future generations. (The various State government 'Forests Departments' might more accurately have been named 'Logging Departments'. It is the old story of short-term economic gain for the few, at the expense of the many.)

The legacy is a serious unbalancing of the ecosystem and the atmosphere in ways which we are only just beginning to realize, let alone understand. Species of animals and birds are disappearing for ever as their mature-forest habitat is carved up. The forests are crisscrossed with networks of roads—scars on hillsides flanked by silent tangles of uprooted trees—that carry vehicles, and 'civilized' pollution and disease, to the very heart of wilderness. As well as the ravaged hillsides themselves, logging leaves its universal rubbish: tangles of fallen and discarded timber, tree stumps, log-loading ramps, cables, fuel drums, dug-outs and loggers' derelict huts.

Directly or indirectly, this madness affects us all. And, as our cities grow and become uglier, it will affect our children, and their children,



In New Zealand's Nelson Lakes National Park last summer.

more. For too long we have complacently accepted the arguments that our forests are 'needed' if we want houses or paper. And for too long we have chosen to remain uninformed of the extent of the destruction. (It is no exaggeration that our virgin forests now face virtual extinction.) The time is well overdue for a universal and heavy commitment to honest self-education, and the search for and application of alternatives and solutions. The latter might start with halting the export of woodchips, and cleaning up the detritus of logging and effectively replanting logged areas, including logging roads. We must also make a commitment to more sensitive and forward-looking management, and the development of viable alternative materials and employment, to large-scale commercial timber planting and to recycling.

No reader of Wild should need to be reminded of the immeasurable intrinsic value of wilderness. Our native forests are the most important part of Australia's wilderness and are facing extinction. There will not be another chance. Either we do all we can now or we accept responsibility for the passing of something we value very highly. A good way to start would be by writing either to the Australian Conservation Foundation (672B Glenferrie Road, Hawthorn, Victoria 3122) or the Wilderness Society (130 Davey Street, Hobart, Tasmania 7000) with a donation and a request for specific information on what you can do to help win this crucial battle. ●

Chris Baxter
Chris Baxter
Editor & Publisher

● With this issue, the cover price of Wild has been increased. This is due to substantial increases in printing and paper costs. ●

from traveller to trekker.. ...in seconds

Mustang convertible travel bags are designed for a wide variety of travel, fulfilling different roles in one attractive, compact and rugged pack. When travelling they function as luggage with conveniently positioned handles and shoulder straps for ease of carrying, while thoughtfully placed features such as external zip pockets, internal wallets and pen holders

ensure quick access when on the move. With one pull of a zip, however, Mustang is transformed in seconds, from stylish handluggage into a sophisticated, high performance backpack.

All the large models utilise the unique A.B. and Delta back systems providing the wearer with the maximum carrying comfort whether out for a day in the Bush or a month in the Himalayas.

The seven models available, range in capacity from 25 to 80 litres, for a variety of functions and feature an attractive navy/grey combination with reflective stripe. All are manufactured throughout in strong,

weatherproof 12oz Cordura. Illustrated is the A65DP with the added advantage of a detachable day pack, for even further carrying options. Mustang. The versatility you need to travel.

For further information on this superb multi-purpose system write to:

berghaus

34, Dean Street, Newcastle upon Tyne NE1 1PG England.
Telephone: (0632) 323561. Telex: 537728 Bghaus.



Available from the following leading specialist shops throughout Australia.

EXCLUSIVE BERGHAUS STOCKISTS. BRISBANE: Scout Outdoor Centre, Jim the Backpacker. SYDNEY: Paddy Pallin, Paddy Mail Order, Norski, Southern Cross. KATOOMBA: Paddy Pallin. CANBERRA: Paddy Pallin. JINDABYNE: Paddy Pallin. MELBOURNE: Paddy Pallin, Eastern Mountain Centre, Scout Outdoor Centre. LAUNCESTON: Paddy Pallin. HOBART: Outdoor Equipment, Paddy Pallin. ADELAIDE: Thor/Paddy Pallin Adventure Equipment, Scout Outdoor Centre. PERTH: Paddy Pallin, Scout Shop, Boots Camping. ALSO AVAILABLE from most Intertek stores.



Eureka! tents... the choice of experience

Stockists **Queensland** Camping Centre, Scout Outdoor Centre, Ian Atchison & Co, Torre Mountain Craft, Mountain Designs **New South Wales** Caving Equipment, Eastwood Camping Centre, Footbosc (Woolahra), Mountain Designs, Mountain Equipment, Norski, Paddy Pallin (City), Southern Cross (City), Bushcraft Equipment (Wollongong) **Australian Capital Territory** Mountain Designs, Wild Country **Victoria** Bush & Mountain Sports, Marschal Camping Supplies, Mountain Designs, Outsports, Paddy Pallin, Scout Outdoor Centres, The Wilderness Shop, Adventure Activities (Bendigo) **Tasmania** Jolly Swagman, Paddy Pallin, Paddy Pallin (Launceston) **Western Australia** Mountain Designs, Scout Outdoor Centre, Big Country Camping, Wild West Adventure Equipment **South Australia** Flinders Rangers Camping, Scout Outdoor Centre, Thor Adventure Equipment.

ADVANCED DESIGN from "CAMP"



NO HANG UPS!

**NEW BETCLIMB
KARABINERS FROM
CAMP. UNIQUE.
INTERNATIONALLY
PATENTED FEATURE
TO MINIMIZE SNAGGING
OF ROPES OR TAPES.**



**NEW ZEALAND: ALP SPORTS
CHRISTCHURCH**

the top in quality

**AUSTRALIA: PADDY MADE SALES
REDFERN, N.S.W.**

Manufacturers and export office: **CAMP spa** - Via Roma 23 - 22050 PREMANA (CO) Italy - telex CAMP I 340369

YOUR VICTORINOX ADVENTURE

...the original outdoors reality...

Now is the time to invest in the very best of the
Swiss Army Knives . . . the original one . . .

Victorinox.

Full stocks are in your favourite Outdoors store and
you'll see models in Sporting and Disposal stores,
Tobacconists, Jewellers and some Department stores.

**But be sure it's the original . . . look for the cross
within a shield.** Both the 'Original' and

'Economy' ranges carry the
Victorinox distinctive
mark of dependability.
With over fifty combinations
priced to suit every budget
from just \$5.95, you will
find it easy to **own the
very best of Swiss Army
Knives.**



**THE 'ORIGINAL'
VICTORINOX
RANGE.**



**THE 'ECONOMY'
VICTORINOX RANGE.**

For stockists/enquiries: Qld (07) 393 1488
NSW (02) 477 6566 SA/NT (08) 42 5514
Vic/Tas (03) 489 7855 WA (09) 446 9799

Tasmanian River Rafter's Pty Ltd.



- ★ Fully provisioned RAFTING ADVENTURES
 - ★ Every participant has own raft
 - ★ Join us for Adventure, friendship and challenge
- PICTON-HUON RIVERS \$239
4 DAY CAMP & RAFT
weekly Thursdays-Mondays

FRANKLIN RIVER ADVENTURE \$399
16 DAY INCLUDING CLIMB TO FRENCHMANS CAP
Departing 4 Dec, 1 Jan, 24 Jan, 12 Feb, 4 Mar.

Information and bookings:
Box 344, Matraville, NSW 2036
Ph: NSW 02 6065022
Tas 002 666262

Paddy Pallin Adventure Equipment



offers a full range of equipment and clothing for all your holiday needs. Maps, food, fuel, advice and just about anything else you need to carry. Open Saturday morning at 32 Criterion St, Hobart 7000 (002) 31-0777, 124 St John St, Launceston 7250 (003) 31-4240

Paddy Pallin Adventure Travel

A full adventure travel service offering all local, Australian and overseas travel experience including local guiding services. See Chris Patterson or Mark Fowler at 28 Criterion St, Hobart 7000 (002) 31-0983

BALFE'S HILL

F · a · r · m



Not just a tea-house, not just a youth hostel, but the road to your Huon Adventures! There is more to Balfe's Hill than apple cake and cream.

- 3 day, 2 night Rafting adventure on the Huon & Picton Rivers.
- 3 day, 2 night Ridge Walk from Hartz to Adamsons Peak
- Many other day & evening walks.

RSD 340 Cradoc 7111. Telephone: (002) 95 1551

Bushwalkers Transport

For South-west Tasmania: Scotts Peak, Cockle Creek, Mt Anne, the Franklin or Picton rivers, Lake St Clair, Frenchmans Cap and more.

Walkers or rafters.
Groups or individuals.

Rod Barkwick
Bushwalkers Transport
28 Criterion Street Hobart 7000
(above Paddy Pallin)
(002) 34 2226 all hours.
Shellite and metho available.

Fly Par-Avion

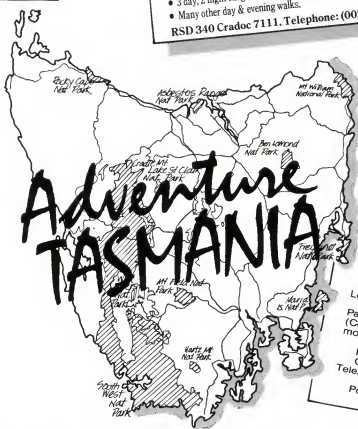
The Bushwalker's Airline

Let Par-Avion help with your Tasmanian adventure! We will fly you into wild Tasmania — with National Parks our specialty: Freycinet, Maria Island, South-West (Coxs Bight and Melaleuca Inlet), Cradle Mountain and more...

Personal and group transport Supply drops
Regular scenic flights Photography
Cambridge Aerodrome Hobart (002) 48 5390
Telex AA 57164

Postal address PO Box 300 Sandy Bay Tasmania 7005

Adventure TASMANIA



Tasmania.
Be Tempted.

Wilderness Tours

Lightweight hiking and camping in Tasmania's South-west wilderness. Tours available include **South Coast Track**, **South-west Cape** area, **Port Davey** standing camps. For further details contact: **Wilderness Tours** Geveeston Tasmania 7116 (002) 97 1384 or any office of the Tasmanian Government Tourist Bureau.

LOWE TRAVEL PACKS

For the perfect travelling companion, Lowe have designed for you the Travel Series. If you use a pack for luggage as well as back country travel, you need one of our travel packs. These full sized panel loaders are easy to organise and can be quickly checked by customs without removing the contents. Special features include a comfortable carrying handle and hide-away back panel which zips completely over the harness to protect it from rough baggage handling in airports etc.



THIS MUCH VALUE
MOUNTAIN DESIGNS LOWE PRICE

TRAVEL KINNI III, II, I
\$279 \$269 \$262
\$209 \$199 \$189

SKIPPER
\$141
\$109

MAUNA LOA
\$235
\$169

LOWE TREK PACKS

Over the years, field evaluations returned by our customers have shown that trekkers desire different features in a pack than those who more often ski or climb. If you enjoy the convenience of a divided main compartment and zippered top entry then one of the Treks is right for you.



THIS MUCH VALUE
MOUNTAIN DESIGNS LOWE PRICE

AMAZON
\$233
\$168

FUJI I
\$259
\$193

LOWE MOUNTAIN PACKS

Our Mountain Packs offer quality without showy frills, function without gadgets, and years of comfortable service. Clean efficient design is the essence of the Mountain Packs. The single top loading compartment opens readily with a drawstring, and the fully-contoured lid closes neatly.



THIS MUCH VALUE
MOUNTAIN DESIGNS LOWE PRICE

PATAGONIA
\$299
\$219

FITZROY II
\$261
\$189

CERRO TORRE I
\$267
\$195

CERRO TORRE II
\$286
\$209

TRIOLET
\$275
\$198



MOUNTAIN DESIGNS

• Brisbane 95 Albert Street (07) 221 6756 • Sydney 494 Kent Street (02) 267 8238
• Canberra Custom Credit House 38 Akuna Street (062) 47 7153
• Melbourne 377 Little Bourke Street (03) 67 3354 • Perth 862 Hay Street (09) 322 4774

* Limited availability on some models
* Colours may vary

MIKE CHENEY IN KATHMANDU

announces the establishment of his new trekking and expedition agency:

TREKS & EXPEDITION SERVICES PVT LTD

Post Box 3057, Kamal Pokhari,
Kathmandu, Nepal. Cable address:
CHENEY Box 3057

in partnership with Mrs Renchin Yonjan
(formerly of International Trekkers) and
Mr Madan Gurung (formerly of Sherpa
Cooperative) together with the former field
staff of Sherpa Cooperative Trekking.

FREEDOM OF THE HILLS

is the name of the game.

*'As the dew is dried up by
the morning sun*

*So are the sins of mankind
by the sight of the Himalaya.'*

Let nature restore you

Outdoor Adventures offers small group
camping and accommodated holidays
to the most spectacular National Parks
and wilderness regions of Queensland
and New South Wales.

You can walk through lush rainforest,
4WD to Cape York or Fraser Island,
island hop on the Barrier Reef or go
white-water canoeing, scuba diving,
sailing, backpacking, mountain
climbing and abseiling.

No matter what adventure you
choose, our personalized service
ensures comfort, local knowledge and
nutritious meals often around open
camp fires (vegetarians catered for).

For your brochure contact:
Ross Thompson

Outdoor Adventures

1 Murrangong Street
Jindalee Brisbane
Qld 4074

(07) 376 4589



SNOWY RIVER OUTRIDERS

4WD wilderness expeditions into the real
Snowy River regions including the majestic
Errinundra Plateau.

All-inclusive 6- and 8-day tours, October
to May.

Also transport only or transport and full
catering for bushwalkers, canoeists and
rafters.

Write or phone for 1985 season brochures:

THE OUTRIDERS

PO Box 399 Orbost Victoria 3888
Telephone (051) 54 1089

Take a look at the new Eastwood Camping Centre.

- New tent display
- New clothing department
- New abseiling, caving and climbing section
- New clothing section



Australia's most
comprehensive
range of backpacks
and sleepingbags.

You'll find an
unmatched
combination of
reliable,
experienced and
friendly service.

Car camping
equipment too.



eastwood
camping
centre

3 Trelawney St, Eastwood 2122

Phone (02) 858 3833

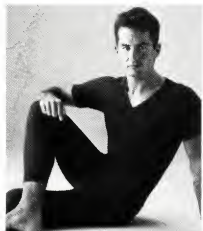
Proprietors: Jack, Nancy and David Fox Est. 1970.

When your teeth chatter this is what they're trying to tell you.

They're telling you you're cold.
Of course, you could put on a sweater or cardigan but they're a bore to carry around.

They're not the most glamorous garments in the world, either.

Or you could wear Thermalite, the remarkable new underwear from Holeproof.



Holeproof Thermalite is made from one of the warmest fibres known to man. And to woman.

And yet you don't steam in it.

That's because it keeps you dry next to your skin, any moisture evaporating to the outside of the fibre.

You don't fry in it either.

Unlike some brands of thermal underwear, Holeproof Thermalite is non-flammable.

Wear summer clothes in winter.

Holeproof Thermalite is so thin and bodyhugging, you can wear it even under very tight clothes.

And it's so warm, you can wear thin, flimsy clothes when everyone else is rugging up.

Negative ions, no ironing.

It's negatively charged, so it's therapeutic for many kinds of rheumatic aches and pains.

It saves you from backache, too. You don't have to iron it.

The range.

For men, Holeproof Thermalite is available in V-neck T-Singlets, long sleeve crew neck singlets, lightweight sleeveless singlets, long underpants and skivvys. Colours, denim, red, white and navy.

Socks regular and king size, in black, brown, grey, navy and camel.

For women, long sleeve spencers, round neck vests, slack liners, full briefs and panties in either peach or white.



Men's Stockists: NSW: Grace Bros., David Jones, Watsons, J. B. Youngs, Gowings. VIC: David Jones, Myer, Forges. SA: David Jones, Myer, John Martins, Demasius, Miller Andersons, Harris Scarfes. WA: Myer, Paddy Pallin Adventure Equipment, Mountain Designs, Scout Outdoor Centre, Wild West Adventure Equipment. QLD: David Jones, Myer, McDonnell and East, Piggotts of Toowoomba, Bailey's (Toowoomba and Gatton), Pikes, The Ski Barn, Snow Biz Ski Centre. TAS: Fitzgeralds, Myer, Allgoods, Connors. **Women's Stockists:** NSW: Grace Bros., David Jones, J. B. Youngs. VIC: David Jones, Myer, Forges, Bra Shop. SA: David Jones, Myer, John Martins, Demasius, Miller Andersons, Harris Scarfes. WA: Paddy Pallin Adventure Equipment, Mountain Designs, Scout Outdoor Centre, Wild West Adventure Equipment, Myer, Aherns. QLD: David Jones, Myer, McDonnell and East, Piggotts of Toowoomba, Bailey's (Toowoomba and Gatton). TAS: Fitzgeralds, Myer, Allgoods, Connors.

Seeking Adventure?



MAPS

show the way...

- bushwalking
- canoeing
- camping
- climbing
- skiing

CMA maps are available from many newsagents, bookstores, tourist information centres, service stations, camping supply stores, Forestry Commission, Lands Offices, National Parks & Wildlife Service or the CMA directly.

send for your **FREE**

'Catalogue of NSW Maps'

Name

Address

Postcode

CENTRAL MAPPING AUTHORITY
Panorama Av Bathurst NSW 2795
telephone (063) 31 5344

Melbourne Map Centre 569 5472



- NATMAPS (All States)
- VICMAPS 1:25,000, 1:50,000
- FORESTS COMMISSION
- TASMAPS 1:100,000
- C.M.A. (N.S.W.) 1:25,000
1:50,000, 1:100,000
- LANDS DEPARTMENTS (S.A.)
1:50,000
- COMPASSES • GUIDES



**740 WAVERLEY RD.
CHADSTONE 3148**

Hours 9 a.m. to 6.00 p.m. Weekdays
9 a.m. to 1.00 p.m. Saturdays



Ski Canada

An incredible opportunity to experience some of the finest cross country skiing on the planet. Ski the powder slopes and trails of British Columbia and Alberta.

24days-\$2,988

including air fare. Departures February-March 1987.

Other ski adventures include Norway, Japan, Kashmir and the USA.

For a brochure of our **Quality** adventures write or call:

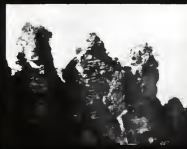
**Wilderness
Expeditions**

26 Sharp Street
Cooma 2630
(0648) 21 587.
Sydney
(02) 27 1052



- Climb with Australia's leading instructors and guides!
- Climbing instruction and guiding on any day of the year!
- 1-, 2- and 5-day courses in abseiling and rockclimbing (basic, intermediate and advanced).
- Guided climbs and expeditions in the Blue Mountains.
- Winter courses in mountaineering, ice climbing and ski mountaineering.
- 8- and 14-day New Zealand alpine climbing courses.

ROCKCRAFT CLIMBING SCHOOL



Director: Glenn Nash

Write or phone for our brochure.

ROCKCRAFT CLIMBING SCHOOL
195 Katoomba Street
Katoomba NSW 2780
Phone (047) 82 2014



LEADERS OF THE PACK

As the originators of the large capacity internal frame concept, Lowe has provided the leadership which has set the standard in modern rucksack design.

In 1985, Lowe continues to meet the challenge for innovation and development, with the patented TORSO-TRAC system.

Designed by Greg Lowe, the TORSO-TRAC system offers immediate adjustment for maximum fit, comfort and responsive performance under all load carrying conditions.

Together with further refinements to the Lowe system, these features provide unparalleled comfort and load control. Take a close look at the 1985 Lowe range, and better still try one on.

Then you'll see why we are the leaders.



Australia Vergara Australia Pty Ltd, P.O. Box 295, Broadway 4006, Brisbane, Queensland. Austria Salwa Vertriebs Ges. Mbn, Muzerwaglgasse 35, A-5020 Salzburg. Belgium Bergsport Ergo de Werfbaan 120, B-2100 Durne. Canada Woods Inc, 101 Logan Avenue, Toronto, Ontario M4M 2P2. Denmark Se & Jys, Vestergade 48, DK-1456, København K. France STE LV M, B.P. 4, 26210, Saint Sotin. Finland Jukka Oy, Hyytiäläntie 5, 02380, Helsinki. Germany Heka - Sportartikel GmbH, Postfach 1444, Lupostrasse 31, 8033 Kallhof. Greece Michel Cottas, Leonofos, Alexandras 4B, 10462, Athens. Holland Denminne Sport, Marneboez 2, 1015 Jm Amsterdam. Hong Kong Perfect Corporation Ltd, 132-134 Austin Road, Kowloon. Italy Guerrieri Comples, I-36047 S-Cristina/Val Gardena. Japan Chamos Sports, 2-21-9, Shin-Ohara, Koto-Ku, Tokyo 135. Norway Nordiska Sports AB, Sandstien 116, Oslo 4. Spain Unilite S.A., C/Brasido, 5/A, 46001, Corrales N 195, Turis. Sweden Nordiska Fjäder Fret AB, Box 50115, Malmagatan 126, S-20211 Malmö. Switzerland Exped AG, Zypressenstrasse 83, CH-8004 Zurich. United Kingdom Europa Sport, Ann Street, Kendal, Cumbria LA9 6AP. U.S.A. Lowe Alpine Systems Inc., 862 South Public Road, Layfair, Colorado 80026.

Woodchipping Tragedy

Conservationists declare war

● **Woodchip Rage.** The Federal Government's announcement in December of its decision to renew Tasmanian woodchip export licences for a further 15 years has brought a reaction of outrage and dismay from conservationists. The decision, reportedly described by the Wilderness Society's Bob Brown as 'one of the worst decisions in environmental history', will result in an increase in the export of woodchips from Tasmanian forests. The licences will allow the export of woodchips to increase from 2.825 million tonnes a year to 2.889 million tonnes a year.

At the same time, tighter controls have been imposed by the government on the licences. These include requirements for annual reports from the logging companies, and reviews by the



Left, logging near the Yalmi Road which borders Victoria's Rodger River Wilderness. Right, Rodger River Wilderness near Monkey Top. David Tatnall

government every five years. Logging is excluded from eight National Estate areas and four areas of Crown rainforest. The Wilderness Society claims that these areas comprise less than 1% of Tasmania's forests. Logging will be allowed in eight other National Estate areas and, possibly, up to 17 more National Estate areas including the Apsley-Douglas region, the Mole Creek area and the Great Western Tiers.

Conservationists fear that this decision will lead to the destruction of forests in other States, and have commenced a major campaign to save Australia's forests. (See Editorial.)

Tasmanian Premier Robin Gray has been quoted as claiming that areas on the Register of the National Estate which are excluded from export woodchip licences will be logged for domestic purposes.

An opinion poll, conducted for the Australian Conservation Foundation and the Wilderness Society in October, found that 82% of those surveyed are opposed to export woodchipping.

The battle to stop the logging of Queensland's Daintree rainforest continues unabated. The conservation movement has conducted a



boycott against the products of Email Ltd because of the involvement of a subsidiary company in logging in the region. A private survey, conducted in Brisbane, Sydney and Melbourne in November on behalf of the ACF and other conservation groups, found that 82% of the respondents were in favour of the Federal Government taking urgent action to protect Queensland rainforest. The following month, the Wilderness Society, frustrated by Federal Government inaction, sought to embarrass it by bringing international attention to the matter of World Heritage listing for Queensland tropical rainforest. Two Society members attended a meeting of the World Heritage Committee in Paris and lodged the Society's own application 'on behalf of the Australian people'. However, as we went to press, a crucial official application to save the area had not been made by the Federal Government, despite protracted negotiations with the Queensland Government, loggers and unions in an attempt to thrash out a deal which might save the remaining rainforest. However, the conservation movement is extremely disturbed by what it sees as the Federal Government's lack of decisive action in the issue.

In New South Wales the Minister for Planning and Environment, Bob Carr, has criticized the Federal Government for using rare rainforest timbers in the new Federal Parliament House. Carr has banned the logging of a private northern NSW rainforest providing timber panelling for the project. This follows the nomination by the NSW Government of the

'cream' of NSW rainforest for World Heritage listing.

As concern mounts for the dwindling forests of south-east NSW and eastern Victoria, Sydney's Total Environmental Centre has proposed that large areas of State Forest be included in a new 47,000 hectare National Park in the Eden region to save them from export woodchipping. A coalition of NSW and Victorian conservation groups, the South-east Forest Alliance, GPO Box 1875, Canberra City, ACT 2601, is also actively campaigning for the restriction of woodchipping in this region.

The Native Forests Action Council is co-ordinating a project, 'Forestwatch', to document breaches of logging regulations in Victoria. The NFAC claims that these rules, meant to minimize the massive environmental damage caused by logging, are commonly broken and evaded. The Forestwatch guide and forms are available by sending a stamped, self-addressed envelope to NFAC Forestwatch, 285 Little Lonsdale Street, Melbourne, Victoria 3000. For further information, or for speakers to talk to groups about the project, telephone (03) 663 1561.

● **Taking a Leak?** The Northern Territory's Ranger uranium mine has come under fire from local conservationists for alleged spillages of contaminated water and tailings. Conservationists claim that the company concerned has breached the Uranium Mining (Environmental Control) Act and that the NT Government is refusing to prosecute.

SALOMON

FOR THE COMPETITOR IN US ALL



Whether you're a performance skater, a marathon racer, a track glider or an off-track tourer there's a Salomon Nordic System to suit your style. The SR901 EQUIPE is a super light boot with the Internal Fit System. This ensures perfect heel hold down with forefoot freedom which allows the foot to spread under pressure. This forefoot freedom, combined with the central ridge plate on the binding results in optimum propulsion, exceptional lateral stability and a more powerful kick and glide. The SR901 EQUIPE and SR Racing Team Binding offers the ultimate in top level performance, control and comfort. For beginners and intermediates there is the SR401 and SR401 LADY. This is a reliable, robust boot with a new bi-ply sole. The SR401 LADY fit, and cosmetics, have been specially designed for the female skier. The SR401 and SR401 LADY can be used with the SR Automatic or SR Touring Binding. With this Boot-Binding, the Salomon Nordic System, you have all the ingredients for a perfect day.

SALOMON



GUNDE SVAN

2 Gold, 1 Silver, 1 Bronze
1984 Olympics

2 Gold, 1 Silver, 1 Bronze
1985 World Championships



● **Rock Stars.** On 26 October 1985 the title for Uluru National Park (which includes Ayers Rock and the Olgas) was handed over to the traditional Aboriginal owners.

● **Frogs.** In *Wild* nos 3 and 8 we reported on the remarkable gastric-brooding platypus frog, discovered in 1972 in the Canondale Range, 140 kilometres north of Brisbane. After the area was logged the frog vanished.

Remarkably, a new species of gastric-brooding frog has been found in tiny isolated pockets, in the Clark Range, 800 kilometres north of the Canondale Range. However, the Queensland Water Resources Commission has begun dam construction in this area. Scientists claim that migratory eels trapped by such a dam will threaten the existence of the frog.

● **Perverts and Crocs.** Taking time off from his well-publicized programme to rid his State of pervers, Queensland Premier Joh Bjelke-Petersen has come up with a plan to capture all Queensland's man-eating crocodiles living near civilization and to release them in remote areas! The extraordinary scheme was devised after a woman disappeared whilst swimming alone and at night in a crocodile-infested river.

● **Mine Host.** Shelburne Bay, on the north-eastern tip of Cape York Peninsula in far north Queensland, is that State's latest conservation battleground. Australian and Japanese companies want to mine the region's massive dunes of pure white silica for glass-making in Japan. The Wilderness Society describes the area as being of botanical and Aboriginal significance. Shelburne Bay is on the Register of the National Estate, has been recommended for a National Park by the Queensland National Parks and Wildlife Service, and abuts the Great Barrier Reef Marine Park.

● **Mapped.** Natmap reports that it has now published 1:100,000 scale maps of all but the central portion of Australia, 1,644 maps in all. Natmap has promised to speed up its programme to reprint the many 1:100,000 maps which are out of print.

● **Electro-reception.** A recent discovery by scientists, that the platypus uses a sixth sense, called electro-reception, to find its prey in the murky depths of its underwater habitat, has been hailed as one of the most significant natural history discoveries in recent years. Apart from fish and tadpoles, the platypus is the first creature known to use the method.

● **Getting Physical in New South Wales.** In November, 20 soldiers of the Army's Engineers and Signal Corps pedalled, paddled and plodded their way from Sydney to Melbourne, via the Snowy Mountains and Murray River, in an 1,100 kilometre, nine-day triathlon.

Katoomba Technical College is running a full-time course throughout 1986 for those who would 'like to earn a living guiding tourists on bushwalking trips'. No fees are charged for the course.

The NSW Rogaining Championships were held on 22-23 March in sandstone country south of Sydney. These championships are normally staged over a 24-hour period; this year the organizers also staged additional 3-hour and 8-hour events in an effort to attract newcomers

to the sport. We expect to publish results in our next issue.

A group of NSW wild-water rafters is compiling a register of raft owners and enthusiasts. There are, the organizer claims, many rafters who are unable to take advantage of high water because of insufficient numbers for a car shuffle or to meet safety considerations. Contact (02) 337 6821 for details.

been poisoned by grain soaked with insecticide. Over 1,000 birds, and possibly many more, are known to have died in the incident, which claimed mainly sulphur-crested cockatoos and galahs.

● **Grrr!** In September 1985 Peter Treseder completed what has been described as 'the hardest tiger walk ever attempted in Australia'.



The only way to travel! (Perhaps the organizer of the New South Wales rafters' register is on to a good thing.) Graham Mitchell

● **Driven Out.** There has been concern expressed among walkers at the number of vehicles illegally penetrating Kosciuszko National Park, New South Wales, from the Barry Way and via Cowombat Flat. A locked gate prevents access from Dead Horse Gap, although there is evidence of amateur earth-movers attempting to bypass this obstacle. (See *Wildfire in Wild* no 17.)

The NSW National Parks and Wildlife Service now appears to be well aware of this. During the last Christmas holiday period a two-vehicle team of park rangers patrolled the region. They had the added authority of the NSW police patrolling in a clearly identified four-wheel-drive vehicle.

The absence of uncontrolled traffic on the popular Cascade Track may now ensure that walkers have a leaf-strewn grassy track, rather than mud or dust, to walk on.

Peter Dunbar

● **Killing 'em Off.** The 1985 New South Wales quota of kangaroos killed by professional shooters was filled before the end of the year. It is reported that the quota of 301,000 animals was 'the smallest for many years', and the first time the quota had been filled since 1970.

Autopsies of birds killed in July 1985 near Queanbeyan, NSW, show that the birds had

The route traversed the Wollom, Blue Mountains and Kanangra Boyd National Parks, New South Wales, a distance of over 330 kilometres involving some 9,150 metres of ascent and 7,000 metres of descent, covered in 86 hours (including 10 hours' rest).

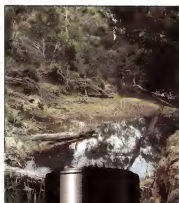
In 1964 Robbie Kilpinen established a ski record from Perisher to Klandra (NSW) of 8 hours 11 minutes. This stood for 21 years until the 1985 ski season when Olympic skier, David Hislop, reduced the time to 6 hours 18 minutes. In November 1985 Treseder cut his existing running record time for the same trip (7 hours 52 minutes, set in February 1984) to 6 hours 10 minutes.

The Kanangra Canyons are amongst the most spectacular to be found in the Blue Mountains, NSW. To complete one in a week-end is fun and rewarding, to complete two in a week-end is a challenge, and to complete three is hard work. When Treseder set off in January 1986 to complete six canyons (Davies, Carrabeanga, Thurat Rift, Danae Brook, Kanangra Direct and Kalang Falls) in a week-end, it seemed like madness. When he staggered back into Kanangra Walls car-park, 37 hours 30 minutes later, another barrier had been broken.

Beth Ferguson

● **Park.** Lake Innes Nature Reserve, near Port Macquarie, New South Wales, has been expanded by the addition of Christmas Bell Plain and the adjoining Kooloonbung Creek wetlands.

When you've skied
the slope climbed
the cliff forded
the stream walked
the wilderness
crossed the desert
beheld jungles
beaches plains and
forests felt the roar
and silence
reached the
horizon of this
incredible country-
bring it back with
SIGMA*



SIGMA
CORPORATION
TOKYO 201 JAPAN

* For details of the
complete Sigma range
write to: PO Box 248,
16th Hyde St 112

DISTRIBUTED BY
Kayell

Passport to Immortality

Nyrie Dodd free-climbs massive ceiling

● **Rock Jockettes.** Victorian rockclimbing has been in the limelight again. The most notable feat was the much-tried first free ascent of Passport to Insanity on the Fortress in the Grampians National Park, in January. Adelaide medical student, Nyrie Dodd, 22, confounded the pundits by leading the crucial roof pitch free. This seven metre wide obstacle is in a dramatic position some 70 metres above the ground (see photo in *Rock* 1984) and is split by a very thin hand-crack. Dodd's tiny hands are perfectly suited for jamming into this crack (she climbed it barefoot!) and it may be a long time before a male ascent is made. (The grade of the pitch is 24-28, depending on the climber's hand size, and may well be the hardest lead made by an Australian woman.) Dodd's partner on this ascent, which freed all the other previously aided sections of the climb, was Steve Monks, whose remarkable solo ascent of the North Face of the Eiger (apparently the first on-sight solo) was reported in *Wild* no 19. The team that originally climbed 'Passport', using artificial aid (Joe Friend and Keith Lockwood, in October 1974), left a note, found by Monks in a bottle on a ledge above the roof, which rashly offers '\$500 for the first person to have freed the roof'. It remains to be seen whether Dodd is successful in recovering her prize, with appropriate adjustment for inflation.

Two significant new routes were added to the 'Passport' wall: Raving Loonies, 24, by Louise Shepherd, Monks and Dodd, and Ticket to Retirement, 26, by Monks and Kim Carrigan.

It now appears that the little-known 1981 climb Clouded Queen (M8/M9), done on the North Wall of the Mt Buffalo Gorge by Geoff Little and Tony Dignan, is the hardest aid climb in the area (with the possible exception of a hammerless ascent of Lord Gumtree). Big-walling Lydia Bradey (see interview in *Rock* 1986), keen to make the second ascent, was stopped by hard hook moves on the second pitch during an attempt with Robin Miller. She then recruited Little for another attempt and he led this crux section. They completed the second ascent of the route over three days with Bradey being quoted as saying it involved the hardest aid climbing of her experience. The pair also made a 12-hour ascent of adjacent Ozymandias Direct (M5), the first one-day ascent of this classic aid climb since that by the ubiquitous John Fantini and Pete Giles several years before.

The action continues at Mt Arapiles with many overseas visitors and hard new routes. However, serious accidents now occur with monotonous regularity. In November 1985 a Norwegian climber fell from the last moves of Yesterday (27), tearing out a runner and dislodging a large block which fell on his belayer. The leader's fall was stopped just above the ground by the rope miraculously tangling in the unconscious belayer's Sticht plate!

A similar accident occurred during a top-rope attempt on Horrorscope (24) in which a fall brought down the top-rope belay block on to the belayer on the ground. Amazingly the only damage was a (serious) foot injury.

A novice broke his leg after a big fall from the notoriously undergraded Mantis. As a result of this state of accidents, a telephone has been

installed in the camping ground to summon rescues!

(As we went to press, news came of a rather more serious accident, in New South Wales. Popular and well-known Wollongong climber,

Robin Rishworth, a bushwalker and former football boundary umpire, was next in 7 hours 46 minutes 8 seconds. Others to finish included hardened all-weather bushwalkers Julian van Leeson (8.08.02) and Alan Davis (8.24.38),



Nyrie Dodd leading the ceiling on Passport to Insanity, the Fortress, the Grampians, Victoria, during the first free ascent. Steve Monks

Russell 'Chunder' Chudleigh, has been badly injured following a fall whilst soloing on Mt Kiera.)

The Victorian Climbing Club is organizing an 'international climbing meet' from 26 October to 4 November at Mt Arapiles. Climbing during the day will be followed by evening slide-shows, films and lectures.

The Land Conservation Council has recommended that Mitre Rock be added to the proposed Mt Arapiles Toon State Park. (Apparently the Department of Conservation, Forests & Lands is preparing a 'management plan' for Mt Arapiles which, it considers, has become degraded, in parts, by overuse.) The LCC has also recommended that the nearby Little Desert National Park be extended from 35,300 to 124,000 hectares.

● **Bogong to Hotham Run.** There was early activity at the Mountain Creek car-park, near Mt Bogong, Victoria, on 28 December 1985. At 6.30 am six runners started the 1985 Bogong to Hotham event, and, with a fine cool day forecast, conditions were ideal.

First to reach the summit of Mt Hotham, 60 kilometres away, was Neil Hooper. He broke his own record by 16 minutes, taking 6 hours 58 minutes 52 seconds for the run. This was only two days after completing a four-day bushwalk.

British fell-runner Jim Ingham (8.37.11), and bushwalker/athlete Steve Miller (8.12.40).

Russell Bulman

● **More on Bogong.** On New Year's Eve there was a party on Mt Bogong celebrating the year, 1986, corresponding with the height of the peak, 1,986 metres.

Bogong Jack Adventures (see Directories) is organizing a special 'comet watching' trip to the Bogong High Plains in mid-April. (See the article on Halley's Comet in this issue.)

The Ski Touring Association of Victoria reports that rather less savoury activities are afoot in the area. It is reported that a group, calling itself the 'Ski-mobile Association of Victoria', has been formed at Falls Creek ski resort. It is also reported that the group intends to vigorously lobby the Victorian Government to have the current restrictions on snow-mobiles relaxed. Apparently the club also intends to establish itself at other ski resorts. STAV is calling on ski tourists to write, expressing concern, to the Chairman, Alpine Resorts Commission, 280 William Street, Melbourne, Victoria 3000.

● **The Great Thomson Clean-up.** On 30 November and 1 December 1985 the biggest-ever assembly of four-wheel-drive touring club members equipped for community work met at Muttonton, Victoria, near the old township of Matlock, for 'the Great Thomson Clean-up'.

Over 100 vehicles and almost 300 club

The Original Australian-made Wilderness Equipment

In 1977 before the word wilderness came into common usage, two wilderness enthusiasts established a business choosing the name **Wilderness Equipment** for the backpacking equipment they made.

The venture was founded on their personal desire for better backpacking products but an interest in design and production techniques inevitably evolved.

They knew that product refinement was best achieved by feedback from personal use. Today, as then, **Wilderness Equipment** staff and associates use products daily. Customers are encouraged to contribute to design and development with direct access to the factory through its retail division. This close scrutiny has made attention to detail an unavoidable part of the operation.

Products are expected to perform beyond criticism in even the most demanding conditions. The disregard for excellence is a waste of resources.

That's why the durability of **Wilderness Equipment** products is limited only by materials capabilities, not poor design or production short cuts.

Worth noting too, is that each piece of Wilderness Equipment is essentially the work of one person. Task variety and the development of individual skills foster job satisfaction and quality.

Several major expeditions and many smaller ones have depended on the name **Wilderness Equipment** as their guarantee.

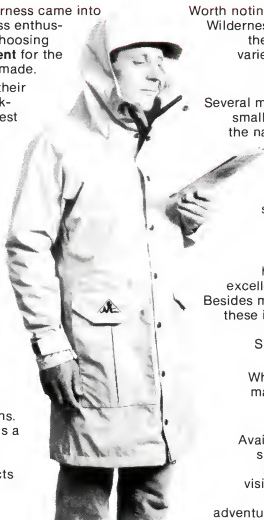
The 1983 Heard Island Expedition and Project Blizzard both received sponsorship with Gore-Tex gear and Tents.

Today, eight years on, **Wilderness Equipment** has earned a reputation for excellence among its customers. Besides many discerning individuals these include Australian National Antarctic Expeditions, The Special Air Service, Industry and the education field.

When the best is Australian it makes sense to look for it by name... The Original **Wilderness Equipment**

Available nationally at selected specialist stores. In Western Australia you are invited to visit the factory retail division.

It stocks a full range of adventure equipment and clothing.



PRODUCT RANGE: Gore-Tex(TM) Rainshells, Thinsulate(TM) and Hollofil(TM) Clothing, Internal Frame Backpacks and Travelpacks, Daypacks and Bags, Synthetic Sleeping Bags, Ridge and Tunnel Tents, Bicycle Panniers and Bags, Canoeing, Climbing, Caving and Abseil Products.

Other stores around Australia extending the Wilderness reputation

Adventure Camping Townsville

Eastwood Camping Sydney

Jolly Swagman Hobart

Caving Equipment Sydney

Mountain Designs Perth

Outsports Melbourne

Paddy Pallin Hobart

The Scout Shop Adelaide

Torre Mountaincraft Brisbane

The Wilderness Shop Melbourne

Wild Country Canberra



For information and availability Write to:

Wilderness Equipment
P.O. Box 83, Fremantle
Western Australia 6160

members have now cleared a significant part of the Thomson Reservoir catchment area and, it is claimed, made the fire-access tracks safe for emergencies. In addition, three cemeteries have been beautified: Jericho, Red Jacket and Aberfeldy. The New Chum Mine site was another important feature worked on.

The week-end was not without its disappointments. Despite the announcement and invitation in a four-wheel-drive magazine, not one four-wheel-driver from outside the club movement was present. Also noticeable by its absence were members of the conservation movement. Despite invitations, sent personally, or given at conservation meetings, not one representative attended.

John Cribbes

● **Rogaining.** The 1985 Victorian Rogaining Championships were held on 26-27 October. Winners of the 24-hour event were Michael Walters and Alan Davis, who covered approximately 97 kilometres in 23 hours 55 minutes and scored 1,980 out of a possible 2,010 points.

The 1986 Australian Championships are to be held on 20-21 September, 150 kilometres south of Perth: details from the Western Australian Rogaining Association, PO Box 228, Cottesloe, Western Australia 6011.

● **A Whale of a Time.** In December 1985 the Victorian Government announced that it will prohibit the capture and keeping of whales and dolphins in Victoria. This decision is significant and one actively sought by Project Jonah in its two-year campaign against the proposal to include these creatures in a proposed marine park at Keyesborough.

● **Trapped.** On 25 August 1985 Ken Hosking was faced with an unfortunate dilemma: his route out of Tasmania's National Gallery Cave was obstructed. Above him was a most peculiar blockage, a trapped caver. The dilemma was even more unfortunate for Petrina Quinn of Hobart. She was pinned by a 300-400 kilogram boulder which was crushing her arm. Quinn was suspended above a ladder pitch, effectively dangling from the injured arm. Richard Cronnelly comforted her for several hours, whilst the fourth member of the party went for assistance.

The rescue involved setting up stirrups to take her weight, then shifting the boulder. Initial efforts to lift the rock failed because of the constricted nature of the passage. It was then necessary for a rescuer to return to the surface to obtain a hydraulic jack. Quinn was treated with Etranox, a 'giggle gas', which in the small space available had more euphoric effects on rescuers than rescued! Using the jack to full capacity, the rock was finally shifted, allowing the two trapped cavers to leave the cave at midnight after a ten-hour ordeal.

This extremely difficult rescue was accomplished effectively thanks to the combined efforts of the Tasmanian Police Search and Rescue Squad, the Ambulance Rescue Squad and St John Ambulance Service. Special praise is due to local policeman Jim Davidson, and Steve Williams, who were in charge of the rescue operation. Correct procedure from the outset, by both the cavers and rescuers, probably saved two lives.

Stephen Buntan

● **Tasmanian Caving.** As a result of intensive recent development, there are now 20 explored caves in Tasmania that are deeper than Eagles Nest system (-174 metres), Yarrangobilly, which is the deepest cave on the Australian mainland.

The surveyed length of Growling Swallet continues to grow: 360 metres of passage, called Colecanth, was discovered by diving the downstream sump in the Black River series. Off the Entrance series is a passage called New Feeling, which added a further kilometre of passage, taking the total surveyed length of the system to over 11 kilometres.

Nearby discovery, Flick Mints Hole (-204 metres), is further testament to the potential for cave discoveries in Tasmania. Another exciting new discovery, near Tassy Pot, is Porcupine Pot, the current explored depth of which is over 194 metres. In the Weld River valley Phil Jackson has discovered Arrakis (-236 metres). At Ida Bay a lower entrance to Mini Martin has been found. In northern Tasmania, at Mole Creek, local cavers added over a kilometre of passage in Rat Hole after passing a sump.

SB

● **Cave Heritage.** Senior members of the Australian Speleological Federation are currently working towards the inclusion of Australia's premier caving areas and karst features on the World Heritage List. Nick White (123 Manning Street, West Parkville, Victoria 3052) is currently reviewing those caving areas on the National Estate, with a view to nomination as World Heritage Areas. John Dunkley (3 Stops Place, Chiffley, ACT 2606) is preparing a submission on Jenolan Caves, and Adrian Davey, (PO Box 290, Canberra, ACT 2601) is preparing details on the Nullarbor Plain karst area.

SB

● **A Burning Habit.** According to a report in the Age newspaper, officers of Tasmania's National Parks and Wildlife Service were recently responsible for causing the State's biggest recorded bushfire. The fire, in South-west Tasmania, was allegedly lit by the NPWS as part of the Orange-bellied Parrot Recovery Plan for the endangered orange-bellied parrot, of which there are only about 20 breeding pairs left. According to the NPWS, the parrot prefers to nest and feed in areas with new growth brought on after a fire. The fire, which was originally intended to burn only 100 hectares, escaped and burnt almost 60,000 hectares (almost 1% of Tasmania). However, NPWS officers did manage to save an uninhabited mining camp in the area—so mineral exploration in South-west Tasmania should not be affected!

Bob Burton

● **Academic Killings.** According to another report in the Age, campaigning by animal liberationists against the use of Tasmanian devils and other protected fauna at the University of Tasmania has led to the discovery that some devils were taken illegally and killed by university staff. As a result, stricter regulations governing the use of protected wildlife for scientific study are to be introduced.

● **Farmhouse Creek Logged.** Last summer road-building for logging was begun in

Tasmania's Picton valley, south of Farmhouse Creek. The Tasmanian Government imposed a ban on public access to the area by a proclamation on 19 January. Bulldozers then moved into the Farmhouse Creek area, which is just east of Federation Peak and listed on the Register of the National Estate.

It appears that the intention of Tasmanian Premier Robin Gray was to ensure that the road becomes an issue that will provoke confrontation with his opponents in the lead-up to the State election.

Using amended forestry legislation to declare that anyone entering the area without a permit is trespassing, and therefore liable to prosecution and a \$500 fine, seems calculated to provoke an angry reaction from environmentalists.

Bob Burton and Iona Johnson

● **A Gray Day.** Following the Federal Government decision on woodchipping, the International Union for the Conservation of Nature and Natural Resources backed the Wilderness Society proposal for the establishment of a Western Tasmania National Park. Premier Gray has categorically rejected any 'parliamentary debate or public consultation on the matter'. In a letter to the Director of the IUCN, Gray wrote that 'the Tasmanian Government does not recognize any concept of an enlarged South West National Park. It is a policy of my Government that no further land area of this State be allocated to National Parks'.

BB and JJ

● **Jubilee.** The South Australian Division of the Duke of Edinburgh's Award in Australia has an extraordinary range of outdoor activities planned for its jubilee year programme this year. These include a 24-hour canoe marathon (1-2 March), and women's walks and canoeing activities.

● **Taking Advantage.** The fifth National Outdoor Education Conference is to be held in Perth on 12-16 January 1987, with the theme 'Using the Outdoors to Advantage'. Papers are now being sought (deadline for submissions is 30 June)—phone (09) 420 4828 for details.

● **Yet Again.** Hamersley Range National Park, one of Western Australia's premier tourist attractions, is under threat from a proposal to mine for gold in the park.

● **Caving.** The caves of the Nullarbor Plain, Western Australia, have long been a Mecca for cavers (see article in *Wild* no 13). The largest cave in Australia, Mulla Mullung Cave, is found in this region. In what is believed to be an Australian 'first', Osprey Wildlife Expeditions (see Directories) is leading commercial caving expeditions in the area.

● **Fall.** Young Melbourne climber, Kenneth Payne, 18, was killed in a fall from Porters Col after an ascent of the East Ridge of New Zealand's Mt Cook on 5 January. Payne was belaying his second, Christian Doblin, 23, also of Melbourne, when Doblin slipped, the belay failed, and the pair fell more than 300 metres on to a snowfield. Payne died instantly but Doblin, suffering from hand and ankle injuries, was rescued by helicopter.

Reliable and experienced staff will help you select from the finest rucksacks, tents, sleeping bags, specialised clothing and footwear, stoves, maps and accessories.

Southern Cross Equipment stores offer YHA membership facilities and, through our service branches, equipment hire, maintenance and repair.



SOMERSET

Would your group, club or school enjoy camping, canoeing, orienteering, rockclimbing or learning bushcraft? Somerset, our outdoor education centre on the beautiful Coto River (NSW), inexpensively accommodates groups of 25 to more than 100 people.

Call in to any Southern Cross Equipment store, see the latest equipment and ask for a brochure about Somerset, a new direction in outdoor education.

Chatswood

66-70 Archer Street
(just off Victoria Avenue)
(02) 412 3372

Hornsby

222 Pacific Highway
(02) 476 5566

Parramatta

28 Phillip Street
(02) 633 4527

Sydney

355 Kent Street
(02) 29 4526



Southern Cross Equipment

The outdoors people more people rely on

● 1985 Victorian Slalom Championships.

Unbelievable as it may seem, the 1985 Victorian Slalom Championships (on 7-8 December) were almost cancelled due to too much water. The course was set for the Goulburn River below Eildon Dam, but the water was 'turned off', due to flooding in Seymour! Faced with a river depth of about ten centimetres, the organizers changed the venue to Slalom Rapid on the Big River.

In the Open Men's K1 (kayak) Paul Beattie beat John Males and Rob McConnell by more than seven seconds. All three had clean (no gates touched) runs.

Andy Spargo won the 18 Years Men's K1. Second place-getter, Bruce Pole, was just a quarter of a second behind.

Vivienne Golding of New South Wales beat Mandy Linden and Robyn Galloway of the Victorian Canoe Club by 18 and 19 seconds respectively. In winning the Open Ladies' K1, Viv 'went clean', while Mandy gathered five and Robyn ten penalties.

Kathy Payne of the Southern Cross Canoe Club was a convincing winner of the 16 Years Ladies' K1.

This year Peter Eckhardt won the Men's Open C1 (decked Canadian canoe paddled by one person using a single blade) from Kevin Songberg. Craig Bartlett was third, due to a five-second penalty. Eckhardt and Bartlett combined to take out the Men's Open C2 title.

The 18 Years Men's C1 title was won by Trevor Reid. How somebody that skinny can paddle so quickly defies logic. He will be even quicker when he discovers muscles!

Mandy Linden and Paul Beattie were 20 seconds ahead of their nearest rivals in the Open Mixed C2.

Teams events (a team consists of three boats from the same class which run the course together and which must cross the finishing line within 15 seconds of each other) were dominated by top paddlers from individual events who regularly paddle together.

Slalom paddling is gradually developing in Australia and our paddlers are improving their results at each successive World Championships. Our best result at the last 'Worlds' came when Craig Bartlett was placed fifteenth in the Open Men's C1.

Andrew Barnes



Peter Martini, foreground, competing in the Men's Open C1 Teams event, 1985 Victorian Slalom Championships, Big River. Andrew Barnes

● Mountains 85. Christchurch-based Canterbury Mountaineering Club held New Zealand's first national mountaineering seminar in the Christchurch Arts Centre during the last week-end of September 1985. (See announcement in Wild no 18.)

British climber Alan Rouse was flown out specially to open the seminar, delivering a punchy lecture on his climbs in the UK, the European Alps, and the Andes, as well as his well-known Himalayan ascents of Janu, Nuptse, Broad Peak, Kongur and the winter attempt on Mt Everest's West Ridge.

Although New Zealand is starved of international speakers like Rouse, the highlight of the seminar was the social contact between 200 climbers from all over the country during informal luncheons and dinners. A trade exhibition featured the latest imported hardware, and locally-made clothing, tents and packs.

Eight prominent New Zealand mountaineers addressed the seminar. Hugh Logan summar-

ized the milestones in New Zealand mountaineering over the last 100 years, and John Nankervis demonstrated the scope for pioneering new climbs in some of the more remote West Coast valleys.

With a 'ghetto blaster' for aid, Roland Foster (see photo in Wild no 16) set the hot rock scene in France, Australia and New Zealand.

Professional guide Nick Banks delivered a blistering speech on the 'Re-emergence of Professionalism' in the Southern Alps guiding scene. He claimed that cloudy government thinking and monopolistic control by the Tourist Hotel Corporation are a severe hindrance to the New Zealand Mountain Guides Association. Banks pointed out that in the immediate past some of New Zealand's internationally qualified guides could practise their profession anywhere in the world except on their own highest peak.

Don Bogie, mountaineer in charge of Mt Cook's rescue team, left the seminar in no doubt about the spectacular increase in efficiency and technical capability of the Mt Cook team, in part due to the breath-taking helicopter methods currently employed.

Carol Nash provided a moving and in-depth account of the part women now play in New Zealand mountaineering. This was a fitting venue for such an address, as the CMC specifically excluded women from its ranks until relatively recently. Dave Bamford and Steve Rawsley gave accounts of recent New Zealand expeditions to Nepal and Peru (see Wild no 18). The seminar concluded with a day's bouldering at Castle Hill in the Craigieburn Range.

Rouse lectured in Dunedin and Wellington before making a ski ascent of Mt Sibbald from the Godley valley. His attempt on Mt Cook's Zurbriegen Ridge turned back at the Linda Shelf.

Colin Montearth

Talk to a Canoeist about Canoeing



Canoes Plus

Australia's Complete Canoeing Supplies If you want the best the world has to offer in canoeing and white-water sports, the place for you is **Canoes Plus**. **Buoyancy Vests** from: Harishok, Splashsports, Wildwater (UK); Grabner (Austria) **Paddles** from: Kober, Schlegel (Germany); Canoe Sport (NZ); Freeblades, Lendal, MI, New Wave (UK) **Helmets** from: Ace (UK). We also have a large range of **Books, Videos and Films**. Plus over 70 **Canoes, Kayaks and Rafts**. See the experts and talk to a canoeist about canoeing.

Canoes Plus 140 Cotham Road Kew Victoria 3101. Phone (03) 817 5934 Trade enquiries welcome

H FIBREPILE

Helly Hansen

The Superior Fibrepile

- Durable, comfortable and warm.
- Ideal leisure, work or fashion garments.



Choose a fibrepile garment from Helly Hansen's collection of jackets, trousers, mittens, hats and gloves. Teamed with Helly Hansen Lifa Super polypropylene underwear you have a winning combination.



H FIBREPILE H LIFA SUPER

Helly Hansen

Helly Hansen

Available from all good outdoor shops

BOGONG JACK ADVENTURES.

Small group activity holidays in the valleys and mountains of north-east Victoria.

- * Rutherglen winery Cycleabouts 5 day Gourmet Bicycle Tour
- * Backpacking and trekking on the Bogong High Plains
- * Nordic skiing and snow shoeing
- * 4WD touring to historic gold-mining areas and huts of the cattlemen
- * Trout fishing, landscape painting, horseriding safaris

Reservations and enquiries:
PO Box 209, Wangaratta 3677
Tel (057) 21 2564

Melb (03) 67 7252
Syd (02) 960 1677
Adel (08) 212 7857

or Victorian Government
Travel Centres



Wild Information

● **Going Down.** The Greenpeace mission to the Antarctic was abandoned shortly after a British ship was crushed by ice and sank in the Ross Sea. The Greenpeace turned back less than 20 kilometres north of Ross Island.

The Greenpeace left Melbourne in December to establish the first non-government research base in an attempt to have the Antarctic declared a world park.

The successful In the Footsteps of Scott Antarctic Expedition 1984-86 returned to New Zealand in January, having walked to the South Pole.

● **Himalayan News.** Colin Monteath reports that New Zealand mountaineers Merv English, Geoff Gabites, Malcolm Fry and Nigel Perry, with Queenslander Robert Staszewski, failed in an attempt on a winter ascent of the South Ridge of Mt Ama Dablam (6,858 metres). This was the first attempt by a New Zealand team on a winter ascent of a major Himalayan peak. Gabites and English were members of Peter Hillary's four-man attempt on the West Face of the mountain in 1979 which was abandoned when Ken Hyslop was killed by falling ice blocks.

Another New Zealand Himalayan expedition had earlier also met with defeat. The attempt on Mt Everest from Tibet planned to climb the West Ridge but, because of dangerous conditions on that route, turned to a line on the North Face, between the Australian route (see *Wild* no 15) and the North Ridge. There were near escapes from avalanches and these, combined with unseasonably severe weather, forced the team to quit the mountain altogether.

Australian Everest summiter (see *Wild* no 15), Greg Mortimer, is establishing a guiding business for those wishing to climb one of the many attractive 6,000-7,000 metre peaks in the Himalayas. Mortimer sees the service as meeting a need for those seeking further challenge after they have been on existing 'high altitude treks'. In May Mortimer is taking part in an Australian-American expedition, including Tim Macartney-Snape and Greg Child, to attempt the North-West Ridge of Karakorum giant, Gasherbrum IV. Amazingly, this spectacular peak has not been climbed since the first ascent, by Carlo Mauri and the legendary Walter Bonatti, in the 1950s.

Gary McCue writes that, following one death and one near-death of Australian trekkers from meningitis, a number of trekking companies are encouraging their clients to be vaccinated against it upon arrival in Kathmandu, even though complete immunization can take up to two weeks. It appears that there has been an epidemic of meningococcal meningitis in the Kathmandu valley and that, whilst the Nepalese Government began a mass immunization in the valley, little attempt has been made to warn Westerners. McCue suggests that those planning to visit Nepal contact their trekking company or local public health department about the vaccine. In Kathmandu, the Infectious Disease Centre in Teku and the International Clinic in Maharajganj both have the vaccine available, according to McCue.

Having abandoned ice axe and crampons in favour of hot air, Chris Dewhurst, climber-turned-director of Sydney trekking company, Adventure Travel, made headlines last November with his team's balloon flight over Machapuchare and the Lamjung Himal. It is claimed that, at 7,000

metres, these are the highest peaks a hot-air balloon has flown over. Also on the successful flight were well-known British film-maker, Leo Dickinson, and Melbourne balloonist, Brian Smith.

Warwick Deacock reports that, during October last year, 12 New Zealand trekkers, 2 Sherpas and 20 porters were evacuated by helicopter from Tilicho Lakes, Nepal, where they had been trapped by a blizzard for over a week. Five Sherpas had set out for Meso Kanto Pass but were caught in an avalanche. The one surviving Sherpa, after returning to Tilicho Lakes, set off again with one of the trekkers and a Spanish mountaineer, using mess-stool tops as snow shoes, and after two days eventually reached Manang to raise the alarm.

The same storm killed five trekkers on the Thorong Pass (on the Annapurna Circuit) and extended into Tibet. Another five trekkers died in an avalanche in the Annapurna Sanctuary.

The Australian ski-mountaineering expedition to China's Mustagh Ata, led by Stephen McDowell, and which included Rick White (see interview in *Wild* no 18), was thwarted at its top camp by a premature winter in the region. Whilst the mountain is a big one, the expedition reports minimal technical difficulties. Some members have booked Mustagh Ata, and nearby Mt Kongur, for another expedition, in 1988.

● **Ellesmere Island Expedition 1988.** Following a successful five-month expedition to Greenland in 1984, John Dunn is planning an expedition to Canada's most northerly Arctic island. Situated between latitudes 76° and 83° north, Ellesmere Island has only one permanent (Inuit) settlement and its landscape of rock and ice remains very much the domain of the musk ox, caribou, wolf and polar bear.

The expedition will be flown in and spend the spring and summer exploring the island. The feasibility of an air-drop-supported 1,000 kilometre north-south traverse of the island is also being considered.

● **Corrections.** 'Stable loft' given in the 'Down Sleeping Bags' survey table on pages 78 and 79 of *Wild* no 19 was measured in millimetres, not centimetres as stated. The relative value of the figures, of course, remains the same. 'Stable loft' was measured after two weeks of loose storage. A beam was lowered until it was in contact with a quarter of each sleeping bag's circumference (roughly half the width). The measurement represents mean, rather than peak, loft of the cross section of each bag, 23 centimetres from the neck line.

Glenn Tempest's name was misspelt in the photo caption on page 71 of *Wild* no 19.

The review of *Discovers of the Snowy Mountains*, in *Wild* no 19, includes reference to a photo of the Grey Mare Hut. The photo referred to is of the old hut. The new one (on the tree line) was built in 1949.

The phone number in the Suppliers Directory for Eastern Mountain Centre (Camberwell Junction) should have been (03) 82 7229.

The photo of Federation Peak on page 90 of *Wild* no 18 is reproduced back-to-front.

The editorial of *Rock 1986* refers to the climb Yesterday; it should read Yesterday Direct.

Readers' contributions to this department, including colour slides, are welcome. Typed items of less than 200 words are more likely to be published. Send contributions to the Editor, *Wild*, PO Box 415, Prahran, Victoria 3181.

Autumn Specials

...Hurry!!

LIMITED STOCKS

**Therm-a-Rest
ULTRA LITE**

- The original self-inflating mattress.
 - Weighs ONLY 482 grams.
 - Opens to 51cm x 119cm.
 - Rolls up to half the volume of any other mat
- WAS \$79**

NOW \$59⁹⁰

THE ULTIMATE IN
COMFORT & INSULATION

**Fairydown
PATHFINDER**

- Fill: 750g of 90/10 superdown.
- Box wall construction.
- Tapered rectangle.
- Full length zip - left or right option.



WAS \$310
NOW \$259

THE ULTIMATE IN
QUALITY & VERSATILITY

Eastern Mountain Centre



CAMBERWELL JUNCTION

401 Riversdale Rd. 3123
(300m City side, Cnr Redfern Rd.)

Phone: (03) 82 7229

HEATHMONT

115 Canterbury Rd. 3135

Phone: (03) 729 7844

THEY ALL HAVE ONE THING IN COMMON...



LIGHTWEIGHT, WATERPROOF BREATHABLE FABRIC.

IN A WORD...GORE-TEX



**GORE-TEX
FABRICS**

Adventure Travel Medicine

A doctor tells how to improve your chances of staying healthy

● IN THE 1980s MORE AND MORE PEOPLE ARE turning to the remote regions of the world for 'adventure holiday' destinations, and for more serious undertakings, such as deep cavern exploration, alpine assaults on major Himalayan peaks, and white-water canoeing. Such destinations include New Guinea, Nepal, South America, India and Africa. Most trips to these corners of the world are fascinating and exhilarating journeys, but adequate preparation is necessary.

One of the most vital areas of preparation should involve preparation for medical problems which may arise. This article is not meant to cover major trauma, or specialty fields such as altitude sickness or barotrauma. Rather, it is intended to provide some guidelines to make your trip a good one. What is more, it could save you a lot of energy, money and toilet paper.

The first major consideration is vaccination. A vaccination is the introduction of biological material into a person with the aim of creating an immunological response in that person to confer a degree of immunity to specific illnesses. There are many vaccines available, but only a few are relevant here, and not all are required for all countries. The only vaccinations required to enter some countries are cholera, yellow fever and, rarely, smallpox (which is rather a strange requirement as the World Health Organization declared smallpox completely eradicated some five years ago). Other vaccinations are occasionally required during epidemics and so forth.

It is the traveller's responsibility to obtain a vaccination certificate book, usually available from your travel agent or airline. Each vaccination and the date should be recorded in this book by your doctor or the Commonwealth Department of Health office in your State.

The most frequently forgotten, and yet one of the most important vaccines, is tetanus. If you have not had a booster within the previous five years, get one. The tetanus germ is everywhere and, despite modern medicine, fatalities still occur among the unprotected.

Cholera vaccine is probably the most frequently required vaccine for the traveller. It requires two shots initially, at a minimum interval of one week, and confers adequate immunity, in about 60% of cases, for a period of about three months. A single booster is required for each subsequent period of exposure. Mild reactions such as local pain, headache and fever are common.

Typhoid vaccine is often recommended for travellers, but it is not usually mandatory. It confers good immunity against typhoid, but none to the familiar illness known as para-



Bush surgery, Tasmanian-style! Bonny Green

typhoid. Its immunization schedule is similar to cholera.

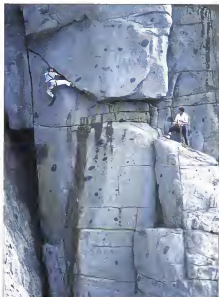
Yellow fever vaccination is mandatory if you are travelling to an endemic area such as parts of Africa and South America.

As well as the active immunizations referred to above, it is now also common for people travelling in high risk areas to have a dose of pooled immunoglobulin—this gives the body's immune system a non-specific boost, and can help prevent infection from a variety of illnesses including infectious hepatitis.

Having considered vaccinations, we should look at the question of prophylaxis. Prophylaxis means to take precautions (in this case that usually means medication) against a disease that you might come into contact with. The best known prophylactic measure is the taking of quinine, or its derivatives, as protection against malaria. Unfortunately, in recent years this old standby has become useless against new resistant strains of malarial parasites. These

resistant strains are particularly common in South-east Asia, India and parts of Africa. Fortunately other drugs are still effective in these cases. It is vital to have up-to-date information on which drug prophylaxis is appropriate for the areas you intend to visit. The Commonwealth Department of Health is very helpful in these matters. You should also remember that malaria prophylaxis must be commenced before leaving, and continued for one month after returning home.

Most of us are distressingly familiar with that old bugbear, traveller's diarrhoea. Although it is usually only due to change of normal stomach flora from the home species to the local variety, the effects can be disastrous and, in some cases, very dangerous. Recent literature suggests that besides the old standbys, such as boiling or otherwise sterilizing drinking water, avoiding suspect foods and cooking for yourself, there may be a place for prophylactic antibiotics. It appears that a broad-spectrum antibiotic, taken daily in a much reduced dose compared with normal treatment regimes,



Australian Rock **85.86**
 issues available for
\$3.95
 each, where outdoor
 magazines are sold
 or direct from Wild.
Windbeaters
 (T-shirts \$9.95). Send garment size (12, 14, 16, 18 or 20)
 and a cheque, money order or Bankcard details (card number
 and expiry date, cardholder's name and signature, amount
 and date of purchase) to Wild Publications Pty Ltd, PO Box
 415, Prahran, Victoria 3181, Australia. Add \$A1.50 for each
 garment (no extra for magazines) to overseas addresses.



Maxwells Adventure Tours and Lake St Clair Bus & Taxi Service

★ Spend a long week-end at Cradle Mountain.
 All-inclusive cost; air fare, coach transport, food
 and accommodation provided. Bring sleeping bag
 and eating utensils. ★ 24-hour coach and taxi
 service to anywhere in Tasmania. ★ Tours to out-
 of-the-way places. ★ Special summer (Dec-Feb)
 bus service between Lake St Clair and Derwent
 Bridge to meet the Redline Bus twice daily and take
 people for hotel meals nightly. ★ Shellite, metho
 and Gaz available. ★ 20 years of service to
 bushwalkers.

Maxwells Wilmut, Tasmania 7310 Phone
 (004) 92 1431, Derwent Bridge (002) 99 1125, Devon-
 port (004) 24 3628, Ansett Devonport (004) 24 1411.
 Ansett and Tasmanian Government Tourist Bureau
 in your State.

Getting Started

offers significant protection against traveller's
 diarrhoea, and possibly against other infections
 as well. The type and dosage of antibiotic
 depends on the individual, his allergies and so
 forth. This is obviously not a *carte blanche* to
 neglect traditional care, but it does appear to
 offer some protection for the isolated traveller.

The affliction many adventure travellers dread
 most is a bout of gastroenteritis, a common
 problem. The most important treatment
 principle is to maintain good hydration. A period
 of starvation is often useful, but adequate fluid
 intake must be ensured. The best type of
 replacement fluids are clear liquids, preferably
 with some glucose content, as the glucose not
 only provides calories but also increases the
 body's capacity to absorb fluids. Fluids are best
 given in frequent small quantities. Should fluid
 loss persist, some attempt should also be made
 to replace salt losses. Packet soups, stock
 cubes and proprietary mixtures can all be used.
 Antidiarrhoeal and antinauseant tablets are also
 of value, but make sure you are aware of doses
 and side-effects before you leave.

Another troublesome matter, particularly in
 the tropics, is that of fungal infections. To
 minimize these, ensure you have adequate
 means for keeping susceptible areas dry (baby
 powder is very useful). When possible, wear
 loose, natural-fibre clothing, treat footwear with
 an antifungal agent before leaving, and, if you
 are a recurrent sufferer, take a suitable anti-
 fungal cream with you. A troublesome itch can
 ruin a trip, so beware of these infections and
 be adequately prepared.

Travelling in rough regions often results in
 cuts and grazes. To assist with healing you must
 ensure that the injury is carefully cleaned. If it
 is a laceration the edges of the wound must be
 brought together (butterfly closures or sterile
 plastic tapes are useful here—a little friar's
 balsam along the edges of, but not in, the wound
 will help these stick better). The laceration
 should then be adequately dressed to ensure
 it will remain clean and dry. Non-stick,
 waterproof, adhesive and various other types
 of dressing are all available at your local
 chemist. Do not skimp on what you take;
 dressings have a habit of being needed. It is also
 important to remember that many of the
 environmental circumstances encountered,
 such as cold, damp and altitude, will slow the
 normal healing process.

Most trekking organizations take compre-
 hensive medical kits with them, but I have made
 a short list of useful medications which I feel
 each person should pack. This list is not meant
 to be definitive and will not cover every
 circumstance, but it is a reasonable guide.
 Remember, even if you can obtain medications
 overseas, and often you cannot, they are very
 expensive. I know of people paying \$10 a tablet
 for antibiotics—expensive when you consider
 the average course comprises 20 tablets.

Include the following: pain-killers (include
 some mild ones such as paracetamol or aspirin,
 and some stronger ones in case of more serious
 problems), antibiotics, antinauseants, antidi-
 arrhoeals, antihistamines (useful for allergies,
 rashes, itches and cold symptoms), antiseptic
 ointment, and an adequate supply of any regular
 medication you may be receiving at the time.

There are, of course, many other subjects and
 problems which may need to be dealt with: see
 your local doctor, or the Health Commission
 Office in your State. ●

LI-LO

THE ORIGINAL - THE BEST

GO CAMPING - GO LI-LO



the world's best known inflatable air beds.

THERE'S ONLY ONE LI-LO AIRBED

ASK FOR IT BY NAME

BEWARE OF IMITATIONS. ONLY LI-LO
 AIRBEDS ARE BRANDED WITH THE
 LI-LO NAME. QUALITY GUARANTEED.



Wild Photography

A once-in-a-lifetime
opportunity
in wilderness
photography, by
David Gorrie

Halley's Here

● HALLEY'S COMET IS HURLING through our galaxy at 194,400 kilometres an hour on its 76-year orbital bypass of our planet. No bushwalker should pass up this once-in-a-lifetime experience. No complicated equipment is needed other than an observant pair of eyes!

This naturally-occurring cosmic spectacle will blossom to its visual best in early April. A good-quality wide-field telescope or pair of binoculars might not seem too much of a burden compared with the visual delight that can be gained. Binoculars with a medium magnification (7x) and a large-diameter objective lens (35 or 50 millimetre) are ideal. Telescopes are generally less suitable because of their narrow cone of vision and the comet's relatively large size.

Another handy addition to your rucksack would be a planisphere, which comprises two plastic or cardboard discs. One disc has all the stars visible in a whole

YOU will be
awed by
this grand sight.

year marked on it, along with months, days, 24-hour times and degrees. The top revolving disc has a section cut out to show all the stars visible on any particular night and time. Simply place the correct time on the appropriate date, orientate the disc north-south, and that twinkling mass you once stood in awe of will become understandable. One word of advice; make sure you obtain a planisphere that is suitable for the latitude you intend to use it in.

Halley's Comet first became visible in the constellation of stars known as Taurus, close to a recognizable star cluster named the Pleiades. At this early stage of its orbital passage by Earth it was seen as a diffuse blob. With the onset of the New Year the first tantalizing and captivating signs of the gaseous tail began emerging, for those walkers with binoculars, and could be found just above the horizon in the south-west region of the sky, preceding sunset, and not far from a star called Gamma Aquarius.

By late February Halley's Comet was displaying a gaseous tail stretching 8° - 10° across southern skies, with a magnitude of 2.5. (Magnitude is the brightness of an astronomical object. The lower the number, the brighter the object. The visibility limit for the naked eye is about sixth magnitude.)

The clearly recognizable comet will seem to be passing through the constellation Sagittarius in the first month of autumn. Ideal weather conditions should prevail over most of Australia as summer moderates to autumn, so cloudless skies are practically assured,



The most recognizable astronomical object, the moon, viewed from the northern Grampians, Victoria. Left: star trails and eucalypts. All photos Gorrie

especially if you have done your homework and set up camp at a reasonable elevation, to avoid morning and evening fogs and mists.

If you have been saving your holidays in anticipation of a comet expedition, April 1986 is the month to put on your rucksack (not forgetting your camera!) and to head for your own personal observatory in the bush. If you are intrigued by astronomy, and take the time to go into the bush to observe the spectacle, you will be awed by this grand sight, stretching some 20° across the sky with all its intricate magnificence. When compared with the trivial half of one solitary degree that a full moon measures in the sky, the enormity of Halley's Comet becomes obvious.

Halley's Comet will appear at its best between 9 and 16 April. Its close proximity

to the rising and setting sun could prove disheartening, but astronomers say that the comet will be brilliant and luminous just before sunrise and after sunset, in what is termed 'astronomical twilight', which is roughly 60 minutes after sunset and 60 minutes before sunrise. This alters, of course, with latitude.

Photographing Halley's Comet should present you with a pleasant challenge. The austerity and contrasting beauty of the Australian bush will come to the fore with aesthetically pleasing foregrounds for framing the comet. Instead of the countless photos that will inevitably appear with the comet as an insignificant light against a starry sky, you will have photographic treasures of it streaking across that distant peak or rising from behind a twisted and gnarled snow gum.

Most foot-bound adventurers will have found that in photography the 35 millimetre format lends itself admirably to



Using a planisphere. Right, an eerie double-exposure of Mt Abrupt in the Grampians.

bushwalking, so stick with it. Film is cheaper and more readily obtainable, and accessories are not as expensive as those for larger formats. Tripods, of course, should be the sturdy aluminium type. The quality of your tripod could influence the clarity of your photos, particularly if you are camped atop a gusty peak or on a windswept ridge. Lens quality is perhaps the biggest factor in your quest for clarity,

no matter what the focal length: cheapest is not necessarily best. Make sure though, whatever lens you are using, that you use the largest aperture, and have the focusing ring set on infinity. Spherical aberration, which is image curvature at the film's edge, occurring when a lens is wide open, may cause minor problems but can be remedied by closing down the aperture half or one stop.

Far from observatories, and in the bush, you will find yourself without a tracking system to mount your camera on. High-speed films are the answer if you want a static image of Halley's Comet, or you may settle for a star-trail effect, in which case a slower film will suffice: 25 ISO (ASA) Kodachrome and other brands of similar speed give excellent results for star-trail photography, recording the infinite and varied hues of our southern skies with commendable accuracy.

Exposures are determined by you and can be as long as you want them to be. The longer the exposure, the longer will be the star trails. Lockable cable releases are another essential item when making long exposures. Conversely, capturing a blur-free comet will require a fast film, of at least 400 ISO. Excellent performers include Kodak VR 100 (print), Ektachrome 400 (slide), and Fujichrome RH 400, which responds well to 'pushing'. ('Pushing' is when a film of, say, 400 ISO is exposed while your camera's film speed dial is set to a higher speed to compensate for light fighting or to obtain faster shutter speeds,

to suspend movement.) The entire film—not just individual exposures, must be 'pushed'. When you arrange processing of your exposed film make sure a note is enclosed with it stating that the film has been used for recording astronomical events, and requesting that the whole film be processed. This may sound like an inane piece of advice, but some processing laboratories disregard exposures that have spots or streaks of light exposed on them, wrongly mistaking these for faults. Secondly, if you have 'pushed' your film, also include this in your note, stating to what speed the film was pushed, so that the laboratory can vary processing accordingly.

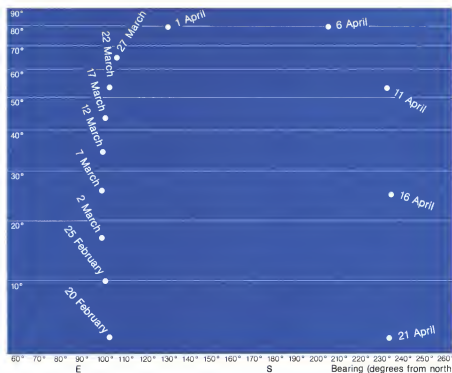
Astronomy in general will hold a lot more fascination for you once you have been lured by Halley's Comet into training your eyes skyward. Fireside conversation will take on new dimensions as you come to know the labyrinth of another world and its vastness.

Not marked on your planisphere are the many man-made satellites, some 2,300 in all, orbiting Earth. Some of these will be visible as points of light moving steadily across the sky. They are clearly distinguishable by their apparent speed, and appear fast compared to star movement. Meteors can always be seen in the sky on

Where to Look

The Location of Halley's Comet During Morning Twilight at Latitude 30° South

Elevation (degrees from horizon)



THE comet will be brilliant and luminous just before sunrise and after sunset.

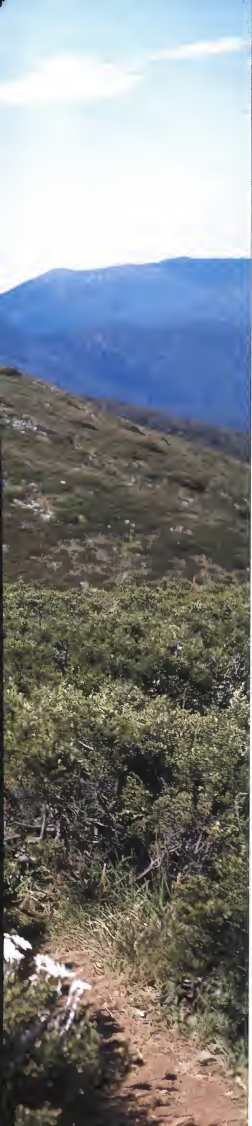
a dark, cloudless night. They differ from comets in that they are only seen when entering Earth's atmosphere, where they are burnt up, causing the recognizable 'shooting stars' that streak across our skies. Meteors appear more often in May and October; the names of these two meteor showers are the Aquarids and Orionids, respectively.

Few people will be led to believe that the end of the world is nigh. But when a particular comet, composed of icy particles and shrouded in tenuous gas, circles close by Earth again, more people will look skyward than ever before. Bushwalkers, in particular, have the door open to them, just waiting for them to step into perfect viewing conditions in the magnificent Australian bush, far away from city lights. In April, as you sit beside your crackling campfire, a comet, which you will never see again, will light the darkness of night and then bid farewell as it heads for the edge of our solar system, giving you a unique opportunity of combining terrestrial with extra-terrestrial pleasures. ●



Wild Bushwalking





An audience
with the Queen
of the Victorian
Alps, by
Klaus Hueneke

Mt Feathertop

● AFTER SPENDING 25 YEARS EXPLORING the Warrumbungles, Blue Mountains, Barrington Tops and Kosciuszko plateau—all in New South Wales—it was high time, I decided, to redress the imbalance and start on the mountains of Victoria. I had to start with a real mountain, a real granddaddy with deep precipitous faces, razor-sharp ridges, and a view only surpassed by that from Mt Everest! A longing look at the photos in Holth's book *Cattlemen of the High Country* and Stephenson's book *Skiing the High Plains* suggested that Mt Feathertop was the only one.

The first opportunity was January 1985, and in anticipation of the usual unpredictable mountain weather—more cold than hot—we packed our heavy down sleeping bags, woollen mittens, Balacavas, short-sleeve duvet jackets and wind- and snow-proof tent. Thinking that we might get a touch of sun, I threw in a straw hat and a bottle of Blok-Out. These and the extra water bottle were the only concessions we made to hot weather.

We should have known better, for Canberra was already surrounded by fire-charred hills, and when we got to the Goodradigbee River on the first night out,

a dust- and sweat-begrimed local told us to put our fire out. 'No, never mind what the signs said in the ACT; here in NSW it's a total fire ban.'

On 12 January we parked at Diamantina Hut on the Hotham Alpine Road and made ready to jettison some of the trappings of civilization. Packing and lurching became a gritty epic, for every time we ventilated the car a huge truck would rumble down from Hotham surrounded by the most fearsome cloud of fine dust. But the occasional dust-free view of enticing green ridges spurred us on, and at 2.30 pm we set foot on the Razorback.

Ahhh, what a relief—put one foot in front of the other again... adjust the new-style rucksack and remember to have half the weight on the shoulders and half on the hips... stop to admire a totally new setting... count a succession of 12 ridges to the west... pull the Rolleicord round to the front and compose a dramatic view... feel the cooling updraft from Harrietville... greet a returning family of frazzled parents and belligerent children... tighten boot laces and march on. It was a clear day and we were on top of the world.

Janis, my companion on this trip, has very sensitive nasal passages prone to allergic reactions. This time, however, she gladly suffered the cause of her congested

Walkers returning along the Razorback from Mt Feathertop. Above, Janis among the snow daisies and Billy buttons. Hueneke

sinuses, for we were enveloped by irresistible air-borne aromas emanating from the richest mosaic of alpine flowers I have seen. Everything seemed to be in flower at once. There were bright yellow buttercups, gently swaying Billy buttons, vast fields of starry-eyed snow daisies, clumps of alpine celery, deep red patches of sorrel, and here and there the delicate mouth of an orchid. I wished that I could be a bee to imbibe and store away more than just a fleeting puff of pollen.

Feathertop seemed to beckon and overpower at the same time, and we were torn between making a dash for it that evening and keeping a respectful distance until morning. That is until we came to the Twin Knobs and their delicious, secluded dells and perfectly arranged rock gardens. Even a Japanese master could not have done better. We lingered a long time,

plodded on round the High Knob and camped where a foot pad heads off down the Diamantina Spur.

Water, and where it could be found, became the main topic of conversation with every person we met along the track. There were no late snow drifts, the ridge was dry, we could not hear water bubbling and falling in the valleys deep down below, and people told us that the tank at Federation Hut was unreliable. Responses varied from 'You can drink it but it's down to the bottom ring' to 'There's a dead possum in it so you'd better boil it'. I do not know how many times we heard the 'possum in the tank' story but it started to wear very thin. The best news was of an unpolluted spring bubbling out of the western flank of Feathertop.

By the time we got there late next morning we were ready for the drink of our

lives. We drank it straight, boiled it for tea, mixed it with milk and muesli, slapped it on sunburnt cheeks, necks and arms, and squished it between boot-compressed toes. But it was cold; it startled the nerves in my teeth, chilled the lining in my throat and hit my stomach like an icicle plunging into a steam bath. We gratefully bottled four litres and headed off up the South-western Spur.

Puff, puff . . . body aching . . . leg muscles sore . . . heels worn thin . . . sun beating on damp, hot back . . . temperature 36° (enough to close schools) . . . pearls of sweat under nostrils . . . wet matted hair . . . remember what Spencer Tracey said in one of his films ('take long

WE should have known better . . . Canberra was already surrounded by fire-charred hills.

slow strides') . . . puff, puff . . . no, can't stop for a photo . . . yes, yes the view is great . . . this slope is steep . . . puff, puff . . . ahhh, a deep breath into pleurisy-prone lungs at last . . . no, don't drink now—wait . . . phew, it's easing off . . . wow, we're on top . . . no, not quite, there's a higher bump . . . yes, over there . . . ahhh, at last!

All was clear, the serrated plateau of Mt Buffalo to the west, rugged Mt Bogong to the north, sedate Mt Loch to the east and great unknowns like the Crosscut Saw to the south. Oh yes, and beyond Bogong, a little lighter in hue and ever so faint, we could make out Mt Twynam, Mt Kosciuszko and, way to the east, the Pilot. A later check of the 1:250,000 *Tallangatta* sheet revealed that they were 120 kilometres away—probably the furthest sight line anywhere in Australia. We were very lucky, for within 24 hours the whole face of south-eastern Australia was smothered in a dense layer of smoke. The first tell-tale indicator of the conflagration to come was already rising as a single plume from the southern end of Mt Buffalo.

I was astounded by the number of people who whizzed out to Feathertop and back in a day or who climbed up from Harrierville by the Bungalow Spur on one day and down via the Bon Accord Spur the next. What they took in in seconds I needed hours for. Perhaps it is my penchant for composing photos with an old Rolleicord camera, or the need to write in a diary, or to just sit, imbibe, ponder and wonder at the order and majesty of it all. I could not take 'tiger walking' even when I was younger—the closest I ever came to it was a three-day walk from Kanangra



My Feathertop

Philippa Lohmeyer

● I FELL IN LOVE WITH FEATHERTOP AT FIRST SIGHT. It stood alone. Tall, very grand and definitely alpine. The Razorback access not unlike a strong Picasso line.

As Mike, Robin and I ski out along the Razorback I am filled with both apprehension and excitement. My first visit to this area, 13 years ago, had left memories of a unique, enigmatic wilderness. I remember my eye sockets being too small for my eyes to gaze open at the vast expanse of snow. The scene was quite different to the rows of snow-capped fir trees pictured on English Christmas cards. And Feathertop. Spectacular against the blue winter sky. So named because the last snow to remain looks like a feather. I remember telling my mother that when I was grown up I would return and ski the slopes. I also remember her shuddering at her daughter's resolve. This was not beginner's country.

On this morning the snow is at its best: a hard base created in the cold of winter, with a soft powdery covering. Two flame robins enjoying the spring sunshine watch us race down the first minor slope. The next rise in the ridge is still in shadow. This means it is icy. Heart thumping I

begin edging my skinny skis into the ice. I can see the beginnings of the Diamantina River far below. The prospects of slipping are not very appealing. Down the next slope it is time to put those well-practiced Telemarks into use. As I go to step through the fall-line, fear grips me, my weight goes back, and down I fall. A sequence I repeat more than a few times.

All the while Feathertop appears aloof, awaiting our arrival as it probably has done over the years since the earliest ascents, by Baron von Mueller and James Campbell. A sense of danger overtakes me while I stand on Feathertop's summit. Maybe that same sense of danger discouraged the Harrierville and Bright Progress Association from continuing their snow carnivals there. The sides fall away to nothingness. To the south-east a cornice prevents me from peering over this mountain has claimed a number of lives.

As I watch the sun set behind snow-capped Feathertop I cannot help feeling emotional, and I am touched by an incredible sense of awe at the beautiful and unique creation God has given us. I also feel thankful that good sense has prevailed and that Feathertop remains in its wild state. ●

Mt Feathertop from Mt Loch, David Tattall, Above, Philippa Lohmeyer. 'Feathertop dreaming', 1968 Lohmeyer collection



Walls to Katoomba. Yet Peter Treseder, the arch destroyer of long-distance records, has done it in six hours nine minutes. (See *Wild* no 15.) The walk in New Zealand's Rees and Dart valleys described by Chris Baxter in the same issue would probably see me out in ten days rather than the recommended four.

I also like to squat Buddha-like at least once a day, and one of the most 'powerful' places I have meditated in is the shiny geodesic dome labelled 'MUMC' on the map and pronounced 'mum see' by me. It is perched toad-like on the end of an

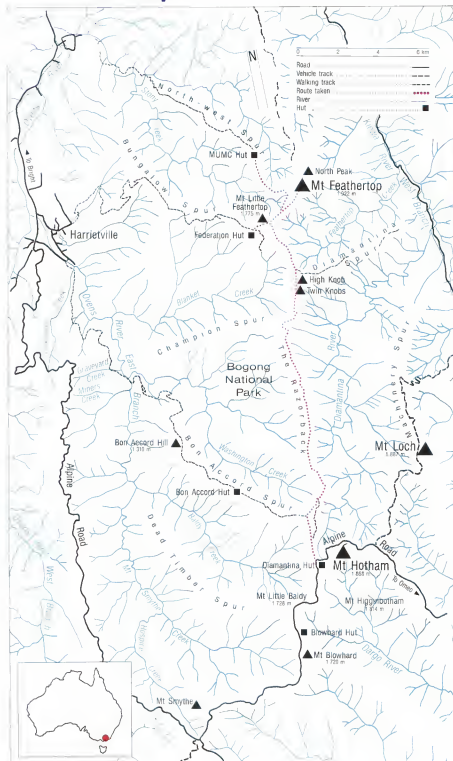
exposed ridge to the north-west of Mt Feathertop. The internal space felt warm, safe and secure as a womb, and although it took a while for my soul to settle in, the air definitely began to hum. In half an hour I got a tiny glimpse of the meditative stillness that must overcome some of the monks in much higher and more secluded places. The 'Mum-see Hut' must be a grand place in winter.

We departed with a last 'Om namah Shivaya', had a peek at the tetrahedroid lavatory, toiled upslope in stifling 38° heat, had a last drink at the highest spring in

Victoria and, after a short visit to Federation Hut, made ready to spend our last night on the Razorback. Our rations had been stretched from two to three days, and we were down to a slimmer's diet of soup, cheese and crackers. The night that followed was hot, hard and sleepless, and brought home to me the urgent need for a Therm-a-Rest mattress. I am too old, too wise and no longer poor enough for hard ground.

Next morning (Monday, 14 January) the air was stifling by 8 am, and Victoria was on the brink of another Ash Wednesday. The plume on Buffalo had grown, and a mild haze was slowly creeping over the high country. It was a matter of pack up, get out and hibernate near a cool green water hole—but apparently not everyone

Mt Feathertop



The Melbourne University Mountaineering Club Hut. Right, the Ovens River valley from Mt Feathertop, with the MUMC Hut visible on the timbered ridge. Huenekle

had the same idea, for half-way out to the road we were met by a straggling line of 40 semi-naked teenagers trying to walk the 20 kilometres from Mt Hotham to Harrietville on the hottest afternoon in a decade. They had poor footwear, wore clothes suitable for the beach, carried only a few litres of water and had little idea of what lay before them. I was too tired to tell them, and stood with bent shoulders and bowed head as their eager bodies filed past.

The mountains that had treated us kindly were about to roar and spit fire, and, as a farewell gesture, captivated us with a grand spectacle of eye-piercing lightning, quarrelsome thunder, car-shaking winds and huge moving curtains of water back-lit by a bright, enflamed sun. Over the next three days we were nearly evacuated from Harrietville (at 4 am), trapped by smoke and fire in Corryong, and in danger of losing our belongings at home in a suburb of Canberra. But the fire on Canberra's Black Mountain was a mere pin prick on a vast map littered with millions of charred eucalypts, thousands of dead possums, wallabies and sheep, and many lost homesteads. Feathertop was quite a journey. ●

Klaus Huenekle (see Contributors in *Wild* no 5) has been walking and ski touring Australia's high country for almost 30 years. A noted wilderness photographer and historian, he is author of the book *Huts of the High Country*.



A full-page photograph of a person climbing a steep, craggy rock face. The climber is positioned in the lower-middle section of the frame, facing away from the viewer and slightly to the right. They are wearing a light-colored t-shirt, blue jeans, and a white helmet. The rock face is dark and textured, with many cracks and ledges. The background shows a steep, rocky slope with some green vegetation at the bottom.

Wild Climbing

Quentin Chester
interviews one
of the world's
most successful
Himalayan
mountaineers

Doug Scott
the mountaineer's
mountaineer

● IT IS A DECADE SINCE DOUG SCOTT stood on the summit of Mt Everest with Dougal Haston, the culmination of a series of siege-style expeditions to the Southwest Face. Although Scott is perhaps best known for his part in this ascent, his subsequent achievements with close-knit teams climbing alpine style in the Himalayas are even more remarkable.

A powerfully built figure with long shaggy hair, Scott is frequently described by his climbing partners as a 'gentle shuffling bear'. He is certainly a thoughtful individual whose interest in climbing extends beyond technical conquest, and embraces the culture and history of the areas he visits, and the complex relationships among those he climbs with.

Now aged 44, he has enjoyed an immensely varied career that has also seen personal hardship and the deaths of many of his contemporaries in the mountains. Yet his enthusiasm for climbing and his capacity for wonder remain undimmed, as *Wild Special Adviser* Quentin Chester found when Scott visited Australia on a recent lecture tour.

What are your impressions after four days of climbing at Mt Arapiles?

It has been quite an eye-opener; I did not know what to expect. I was very impressed with the climbing and was really sad to be leaving. The routes there are obviously steep and you are very much on your arms—there is a lot of face climbing on small holds. I suppose I was surprised. If a route was, say, grade 19, it would be 19 for every other move, whereas in the UK you tend to have a short burst of 19 and then there is easy ground and a big ledge to sit on. What I liked most was the atmosphere of the pines and the camp. The climbers seemed to have a lot of respect for each other. I like that.

So you still enjoy crag climbing?

Yes, and it is very frustrating going away on expeditions for three or four months and to come home and find it pissing down all winter. You do not get a chance to get on really good routes and be fit enough to do them. But I do enjoy crag climbing more than anything else.

Even on big climbs you seem to be happier on rock.

With modern ice tools and crampons with front points, ice climbing can be quite repetitive, unless you get on to ice-coated buttresses, which are more interesting. I find colours a bit boring. My idea of a good route is something like The Nose on El Capitan where there is pitch after pitch of 5.8 and 5.9 (grade 16-18) jam cracks. My first climbing was gritstone crack-climbing. I have always enjoyed that.

Are there problems when you adopt big-wall tactics on a mixed route like the one on Shivering?

Our equipment was a big problem on Shivering—we would not take so much if we did it again. We had five quite large bags to haul. It was obviously a long climb. In fact I think it turned out to be 62 pitches. And we had equipment for snow and ice,

two big-wall racks, cold-weather gear, heavy sleeping bags, duvets, food, fuel and bivouac equipment for eight days—in the end it took thirteen days. That was the problem; having to take a huge weight over mixed ground. If it had been a straight-up big-wall climb it would have been a lot easier, but dragging the bags round gendarmes and pinnacles on the ridges was quite soul-destroying. Yet there

together and he can stay out for a long time and not get homesick. That is an important factor that rarely gets discussed. But I know a huge number of climbers who have problems staying the course simply because they get homesick.

I used to worry. When Mike started climbing I remembered just how much my parents had worried. But in 1980 I went to the Alps and did a route with him. When



Doug Scott at Mt Arapiles, Victoria. Left, Scott on Missing Link (17), Mt Arapiles. Chris Baxter

was a great sense of accomplishment on Shivering.

By comparison, your ascent of Shishapangma was a smooth operation.

We climbed that route as efficiently as we have ever climbed any route. There were just three of us, Roger Baxter-Jones, Alex MacIntyre and myself, and 3,000 metres of face, all of it unknown, untouched. There was everything to find out about it. But we were all acclimatized as well as we could be, and by the time of the climb we were getting on well together. The main thing was that after two months of pretty bad weather it brightened up, and the snow was perfect—that contributed a lot to us getting up and down in four days.

What is it like climbing with your son? What goes through your mind?

I do not think we will climb together much in the future; he has to go his own way. My horizons at the end of my Himalayan climbing are his, and everyone else's, at their beginning. So he is obviously going to zoom past my level if he has the ability, which, it seems, he has. He is a natural at acclimatization. He has a good head for it. He keeps himself

he led through he was so competent and safe, and he found the way down without any trouble, that I stopped worrying so much. I realized that he would not do anything crazy.

You are something of a survivor. How do you deal with objective dangers?

After taking all the usual precautions, rocks can still come down, slopes can avalanche when you least expect it, and someone like Peter Thexton—a doctor, a sensible lad—can suddenly find himself coughing and spluttering with fluid seeping into his lungs.

All you have really got is a gut feeling about it all, which is hard to describe unless you have experienced it: times when you have known intuitively that it is better to change the decision, to come down, or not to go that day because it does not feel right. Equally suddenly it feels exactly right to go when perhaps you have not got enough food or gas. But suddenly you have a strong feeling inside that you know it is time to go, time to push it. When you are entirely convinced inside yourself then it is amazing how your energies are all channelled in that direction.

Many of your recent expeditions have involved going to an area with a varied team of climbers and supporters to attempt a number of peaks in alpine

style. How important is this approach?

Of the 22 trips I have made to Asia, the Makalu trip in 1980 stands out as being the most successful when you consider the all-round meaning of the word 'success'. We climbed three peaks of between 6,000 and 7,300 metres with Dougal Haston's girlfriend Ariane, and then she went down and we carried on and did Kangshungtse in three days. Then we went on to Makalu, which we probably would have climbed had we not had two days of storm at 8,100 metres. Georges Betsenbourg had a pain in his liver as well.

The acclimatization period is not only for the acclimatization of the body. There is a definite psychological acclimatization, where you get used to each other. Any differences are brought out into the open and aired, or at least recognized, and adjustments made. So by the time you go for the 'big one' you are pretty confident that you are not going to have any personality clashes, which are a tremendous drain. When you need every ounce of energy for the climb you certainly do not want negative emotional attitudes draining your limited resources.

That is the value of the multi-peak approach. Other people may see it differently. Perhaps it can detract psychologically from the main objective because you can always think to yourself, 'Oh well, I've done these already', and you lose a bit of your drive. Of course you can overdo it on the acclimatization peaks.

When you went back to Makalu in 1981 your family accompanied you. What was that like?

They certainly seemed to enjoy it. Martha was aged nine and went above 6,000 metres in her red wellies, to a pass overlooking Tibet. The family went to Makalu again, in 1983.

The first time the kids went was in 1979 when we did Nupste; the kids went to Everest Base Camp. Rosie was aged about nine months and Martha about seven years. A party of Texan trekkers arrived; they were really right out of it. They had come up a bit too fast and they were coughing and spluttering, and had headaches. Martha emerged and asked them, 'Would you like tea?' So she went to the cook and came out with a big tray of tea. The Texans, eyes wide open, asked 'Gee, how old are you little girl?' 'Seven', she said, 'Would you like to sit down in the kitchen?' They went into the kitchen and there was Rosie, aged nine months, crawling around!

Who have you most enjoyed climbing with?

I particularly enjoyed the climbs with my old mates from the Nottingham Climbers Club on my first expeditions. We hitchhiked to the Atlas Mountains. Our 'desert campaigns' included Tibetsi, south-east Turkey, Turkistan and the Hindu Kush. And although not all of them are climbing now, there is not one of them who is not a good lad to see on a Saturday night in the pub.

More recently there were a lot of friends

ships made on the Everest South-west Face climb. Later, in organizing my own trips, I got to enjoy Georges Betsenbourg's and, later, Jean Affanessieff's company. French climbers seem a lot less reserved, more generous with their emotions. Then there is Jimmy Duff, Tut Braithwaite, Roger Baxter-Jones—Roger was a fantastic bloke, and a very powerful climber. I think he was probably stronger than Messner. And I really liked Alex MacIntyre; a young lad at the height of his ambition. He was full of imaginative ideas for the mountains and had a lot of courage to press through. It was inevitable that there would be some kind of clash. But it was nothing. The clashes we had only strengthened our love and respect for each other. I do not think I am saying this just because he has died. I found Alex to be quite an inspiration. He was very honest; everything was always brought out in a very honest fashion. I suppose the important thing to recognize is that there is good and bad in all of us.

So many of these friends, your climbing partners, have been killed in the mountains. How do you deal with this?

I have tended to be fatalistic about the whole question of climbers dying. A lot of this is due to the fact that, in almost every case, someone who was very close to them—mothers, or wives—had some kind of premonition that something was going to happen.

You have written about 'the altered state of consciousness which occurs in the thin cold air'. What is this?

It is not something you notice very much when you are at the height of your ambition. If the big thing is to get a pat on the back from everybody back home for what you have done, then I think you will be blinkered to other things you might get from a trip. I know this personally because that is how I was, and probably still am a lot of the time.

This was the great thing about the 1980 trip with Georges and Roger. They had their ambition well under control, and there did not appear to be anything at all negative in our relationships. So we could sit back and enjoy the aftermath of our nine days of climbing, which was then the longest any of us had been out so high and fought so hard.

I noticed that the sort of thoughts, the little anxieties that go through your head all day every day—the internal dialogue that Carlos Casteneda writes about—had stopped. There was quite a long space of calm between the thoughts racing through your head, and in that space there was peace; that is the whole point of meditation, to slow down the thought processes.

Apart from your own expeditions, are there any you would have liked to have been on?

I think the 1984 Australian Everest Expedition was a particularly good one. I got letters about the trip from Jimmy Duff and it sounded like they had achieved a

lot of respect for each other. It seemed that these lads had got it together enough to build up more energy as a group than anyone could produce for himself. With all that collective energy working in one direction, without anything in the way, it was a perfect trip, apart from poor old Andy getting frostbite.

What mountain areas do you still want to visit?

I have never been to South America and would still like to go there. I had planned to go with Georges, but he was killed. Then I was going with Paul Braithwaite, but his wife had a baby.

I am getting more enjoyment from shorter trips. In February 1985, for instance, I went to Vancouver Island with Greg Child and Rob Wood. We did a new route on Colonel Foster, which is right in the middle of the island. You have to walk in on skis through thick forests. We went on to the climb in the afternoon and bivouacked. Then there were about 20 pitches as good as the first pitch of Zero Gully on Ben Nevis. That was a really good trip.

Later that year I went to Iceland. With three Icelandic friends, I climbed the third highest summit in Iceland. Again we had beautiful weather, and it was a good four-day trip. I got as much pleasure out of that sort of trip as anything.

Where to next?

I am going to Bhutan in September. It is a place I have always wanted to go and it should be really good. Out of the blue I was asked to go by a climber from Bristol called Steve Berry. By chance he had obtained permission for the highest peak in Bhutan. It would be interesting enough to just go to see this last Buddhist kingdom.

I would like to go with Chris Bonington again. I always say that to go on a trip with Chris is easier than taking the wife and kids to Wales for the week-end. You just get a ticket and all you have to do is get to the airport on time.

Anything planned beyond Bhutan?

I would still like to do a route on K2. No one has done a route on K2 in alpine style. I have been to K2 three times to try new routes. I have still got enough ambition that I would like to climb K2. I am thinking of going with Voytek Kurtyka, and one or two others, in 1987.

Why is K2 called 'the mountaineer's mountain'?

Only a handful of people have been to the top of K2. I do not know how many have been on top of Everest, maybe 200. That is not just because Everest is the highest and everyone wants to do the highest. K2 is steep on all sides; it is everyone's idea of a mountain, a great big cone sticking up head and shoulders above all the others. ●

Quentin Chester (see Contributors in Wild no 3) is an active climber, bushwalker and ski tutor. He works in Sydney for the chain of Paddy Palin specialist outdoor shops, and is an outdoor education instructor.

Scott on the fourth winter ascent of the North-east Spur of Les Droides, France. Scott collection



Wild Canoeing



Whale

Tony Dicker recalls his bitter-sweet encounter



● IN THE WAKE OF THE RECENT mutilation of countless pilot whales in Denmark, and with the ludicrous situation of one section of the human population doing all it can to protect whales and the other butchering them, I write of my own chance encounter with the lovable pilot whales. This is an effort to highlight the character and soul of these water beings and, hopefully, to add weight to the growing acceptance and protective feelings of humans towards all exploited animals.

The small and quivering pilot whale had been alongside my canoe for almost 15 minutes—he was just one of 52 such whales that had found themselves trapped

and stroked his head: there was no doubt that he recognized me as a being who wished only to help. Finally, when I could bring myself to let him go, I began an attempt to herd the group towards the mouth of the harbour and away from the shallows of destruction.

After four exhausting and unsuccessful attempts, I sat bewildered and distressed amongst the plaintive cries and panic-stricken bodies. As difficult as it was to accept, this was something I could do nothing about!

I was suffering the after-effects of prolonged starvation, having fallen seven metres from a cliff seven days earlier. I had severe lacerations and a suspected



'The shallow water was stirred into a sandy soup...'
Dicker

in the inner reaches of Macquarie Harbour on Tasmania's remote south-western coastline.

It was a disaster; some were on their backs, floating, while others tried to turn them over. Some dived and came racing back to the surface, lifting their tails high out of the water, smashing them down and sending spray all over me. The shallow water was stirred into a sandy soup which meant that the whales could see little—thus adding to the trauma of their already frantic situation.

My desperate companion nuzzled against the canoe just like a frightened child, and his whimpering cries spelt out his anguish. I held him firmly with my arm

broken foot. For six days I had been trapped in a cove at the mercy of the longest storm I had ever experienced.

'LOOK AT THEM! ... LOOK AT ME!', I shouted, 'WHY?'

There was no answer and, as much as the act was totally foreign to me, I was forced to turn and paddle away, leaving those grieving beings with their human cries and human ways to fend for themselves.

While recuperating for two days at Strahan, I was overjoyed to learn that Project Jonah had arrived on the scene and, with the help of many enthusiastic locals, managed to return 47 of the whales to sea. My heart still went out to those who died and I dearly hoped that my little companion had not been one of them! ●

Tragedy

with whales trapped on Tasmania's south-west coast



A Bush



Klaus Hueneke reconstructs an epic walk from Bright to Mallacoota by way of Mt Bogong and Mt Kosciusko



• EVERY PROJECT HAS ITS HIGH point, the moment when everything you have been sleuthing for suddenly makes sense, and with my new book, *Kiandra to Kosciusko*, it was the receipt of a unique album of photographs taken by George Hope on a long high-country walk in 1904-05. My receiving it depended on the successful fusing of a long chain of crucial links. These included writing a letter to the Editor of the *Age* newspaper, him publishing it, Mrs Hope (George was her husband's great-uncle) buying the paper that day, her seeing and reading my letter, her remembering 'that old album', her taking the initiative to write to me, me convincing her to send the album by registered mail (it is a long way from Canberra to Geelong), Australia Post not losing it, and finally me receiving it.

The journey of George Barcroft Hope, H Rutter and Charlie Smart

First camp, on the Ovens River, 25 November 1904. Above, a hut on the Bogong High Plains, 30 November 1904. All photos Hope collection

Christmas, 1904

was a particularly long and historic one which started at Bright in Victoria on 25 November 1904 and finished on Gabo Island, near Mallacoota Inlet, on 13 January 1905. During the seven weeks they forded numerous cold rivers like the Kiewa, Murray and Snowy. They climbed major peaks like Mt Bogong, Mt Kosciuszko

tell us most about their attire and their camping gear. All wore hob-nailed boots, coarse-weave long pants, loose-fitting long-sleeve shirts, a belt with an assortment of leather pouches, and a hat. After seven hard weeks, the pants still looked in reasonable condition, but the shirts were much the worse for wear. A

of swagmen were to use a similar front-and-back system over the following 30 years.

We know that George owned the plate camera, beautifully made of wood, brass and leather, and that it required plates, plate holders and a tripod. It measured 15 centimetres square, was sold by W H Tomkinson, photographic dealer of 81 Dale Street, Liverpool, England, and on this journey took at least 43 photos. It was probably the heaviest single item carried.

As far as food was concerned, they only carried basic necessities like flour, sugar and tea, and whenever possible lived off the land. They shot whatever game they could find, including kangaroos and, on one desperate occasion, cockatoos, which they made into a stew but found almost inedible. Rabbits may have crossed their path but, unlike other parts of Australia, were still fairly rare in the mountains.

George's rifle apparently shot to the left until he fell down a cliff with it, bending it, after which it shot straight. At one stage after many days of 'hard tucker' they came to a homestead with an orchard full of trees laden with ripe fruit. This proved irresistible, and with the permission of the owner they had a mighty feast.



Jack Riley outside his hut at Tom Groggin, 15 December 1904. Near right, wading the Snowy River at Suggan Buggan, 23 December 1904. Opposite, lunch on Mt Fainter, 29 November 1904.

and Mt Tingaringy, and visited mountain outposts like Hinnomungie homestead. They also called on people like Jack Riley, later to become one of the legendary 'Men from Snowy River'.

Unlike the explorers before them, their's was not a journey for material rewards such as a generous land grant or new grazing lands for starving cattle. No, their's was a journey of the heart, to enjoy. By all accounts they were a trio of final-year engineering students from the University of Melbourne, heading off into the bush to celebrate the completion of their studies. In the process they became early pioneers of bushwalking, long before people like Miles Dunphy, Bill Waters, Jack Thwaites and Paddy Pallin turned it into a household word.

George Hope started to bushwalk as a schoolboy in the 1890s, and on one occasion walked from Geelong to Cape Otway, a distance of 140 kilometres. He preferred to walk on a compass bearing, irrespective of obstacles, and even in his eighties could outwalk fit men half his age. His interests in natural history and geology made him a fascinating companion. Bushwalking in those days was without modern-day contour maps, hip-hugging rucksacks, down sleeping bags and blizzard-proof tunnel tents.

The first and the last photos in the album of the Bright-to-Mallacoota journey

suit coat that appears in the first photo seems to have been discarded during the journey!

Two of them smoked pipes, or at least posed with them, and George was the only one to wear leather leggings. He also carried a rifle and pocket watch. As

Their's was a journey of the heart.

students of engineering and surveying, they probably carried a compass and other survey equipment. Water was carried in a canvas bag with a ceramic neck, and boiled in a quart pot or one of an assortment of tin billies.

Their nightly shelter was a big white tarpaulin pulled over a rope suspended between two upright sticks. The sides may have been pegged to the ground or weighted down with rocks. It did not have a floor or end flaps that could be zipped together. During the day it was rolled into a swag and carried by a strap slung over the shoulder. Each man carried a ground-sheet, a blanket and two canvas bags containing food, a change of clothes, and other personal gear. It may have included a razor and shaving brush. The bags were knotted together at the top and, like the bed roll, slung over the shoulder: hundreds



Unfortunately, the results were rather drastic and they came away tender and sore in the nether regions!

The course of their journey can be fairly accurately plotted as far as Delegate in New South Wales. After that it is a little hazy. It began in Bright, and first camp was on the Ovens River on 25 November. Next day they reached the expansive Kiewa valley and had a superb view of Mt Bogong. The Kiewa River was waded above Tawonga and, using one of the tracks that ascends from Mountain Creek, they climbed Mt Bogong. They admired the view, clambered around chunks of old snow and boiled the billy. By 2 December they had climbed Mt Fainter, crossed the Bogong High Plains, and walked to Hinnomungie homestead near Omeo.

At Hinnomungie they were greeted by three well-groomed women who appear to be a mother and her lovely daughters. George was very impressed and took some trouble to photograph the trio. Later, in the dark-room he singled out the daughters for special vignetting. Their soft pale features are framed by piled-up curls, pearl necklaces and high-neck blouses with puffy leg-of-mutton sleeves.

Some days later they headed north-east for Tom Groggin, via Limestone Creek and



the Murray River. It took eight days, so it must have been fairly rugged, with a lot of river-bank scrambling. In parts they may have used tracks made for early gold-miners. Jack Riley greeted them at Tom Groggin and posed for several photographs. In those days his log hut had a slab annex and a shingle roof, and was surrounded by tall dead trees, a picket fence and, in the foreground, a vegetable patch. Two old panning dishes adorned the front wall. Jack was about 53 years old at the time.

From Tom Groggin the, by now, fit and hardened trio climbed the Rams Head Range and visited Wragges Observatory on Mt Kosciusko. An out-of-focus photo shows the hut in poor condition, even though Wragges's men had abandoned it only several years before. Descent was probably by Dead Horse Gap, and four days later, on 21 December, they stood on top of the Pilot, that lonely sentry of the NSW/Victorian border.

Now they were in very wild country indeed, with few inhabitants, practically no roads and many steep mountains. In rapid succession they reached the Suggan Buggan River, the Snowy River, Cutta-Murra Creek (or Gattamurh Creek), Tingaringy Creek, Mt Tingaringy, and finally Delegate. Another specially vignettied photo marks the celebration of Christmas Eve on Tingaringy Creek. At 'Tellicuro' (not

found on any recent maps) they met the family of Mr R H Wait. Nearly all photos depict burnt forest and a clear under-



'Ye three Tugs'; C P Smart, left, G B Hope and H Rutter on Telleberga Island, 11 January 1905.

storey, making walking much easier than it is today.

Their route from Delegate to Gipsy Point on the Genoa River in Victoria is a mystery. But it only took three days; not nearly

enough time to walk, but long enough to ride a horse or hitch a lift with a horse-drawn wagon or coach. By 5 January they had walked round the marshy shore of Mallacoota Inlet to Charlie Rasmus's wattlebark hut and boat shed, and on

A suit coat seems to have been discarded during the journey!

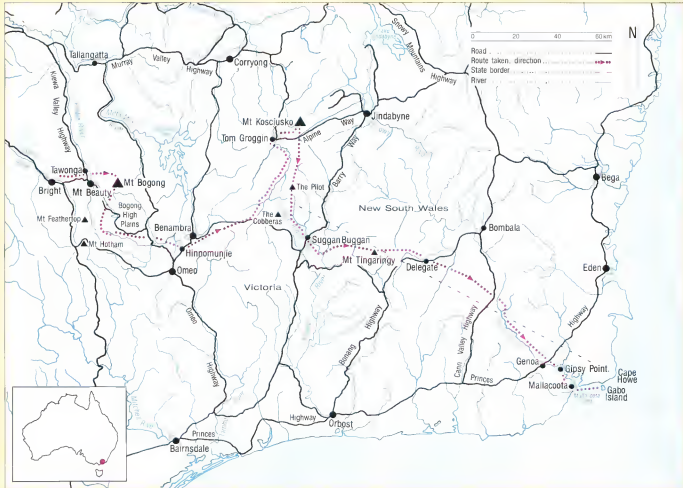
11 January they visited Telleberga Island in the company of Captain Peter Pearson.

In 1905 it was easier to go to Melbourne by coastal steamer than by road, and on 13 January the SS *Lady Loch* picked them up on Gabo Island.

During their seven-week mid-summer epic they had walked over 400 kilometres and climbed a total of 8,500 vertical metres, almost the same height as Mt Everest. ●

Klaus Hueneke (see Contributors in Wild no 5) has been walking and ski touring Australia's high country for almost 30 years. A noted wilderness photographer and historian, he is author of the book *Huts of the High Country*.

Bright to Gabo Island



DIARY 2001. Karrimor Rucsac Technology continues to climb and conquer earth . . .



. . and other worlds.

It is not inconceivable to imagine that Karrimor Rucsacs may one day sit on the backs of adventurers as the picture above fills their experience. Such is man's spirit of adventure.

It is the commitment to this spirit that has kept Karrimor equipment in the hearts and minds of adventurers for over 25 years.

But for now . . . come back down to earth and discover what Karrimor has achieved in its latest range of Rucsacs. Using today's technology to its fullest, Karrimor continues to help man explore and conquer his environment. The list of Karrimor equipped expeditions, covering the entire spectrum of geographical challenges and climate extremes is impressive. Read about them in the Karrimor Rucsac Guide.

FEATURES

Virtually all Karrimor Rucsacs have been improved. Some have new features like

waterproof liners, double stitched body seams – and there are new fabrics and new colours.



JAGUAR S

S.A.1 – Self adjust back system, adjustable to back length. Anatomic curved suspension system. Detachable waterproof liners (S85 model). Double stitched body seams. KS 100e fabric with life-time guarantee. Multifunctional accessory patches and lots more. Models S65, S70, S75, S85.

JAGUAR E

S.A.1 – Adjustable back system with some models to cater for small adults and young people in Kb 940 fabric with 5 year guarantee. Models E53, E54, E55, E65, E66.



PANTHER

Size tolerant back system. Anatomic harness and well padded lumbar and hip belts manufactured in supersoft fabric. New Concorde style flap with double buckle fastening and mesh Kangaroo pouch. Large size pockets with easy zip access. Models 2, 3, 4.

CONDOR

S.A.2 – Self adjust back system, adjustable to back length and hip girth. Anatomic curved harness system – low pressure conical hipbelt, diamond shaped lumbar pad. Double stitched and taped seams. Removable inner security pouch.

attachment facilities. KS - 100e fabric with lifetime guarantee. Waterproof liner on selected model. Models 65, 75 and 85.



FABRICS

Karrimor Fabric Technology is famous the world over. Development of the Karrimor KS 100e fabric has produced the ultimate Rucsac material – which Karrimor guarantee for life. No other manufacturer has been able to match it. Other Karrimor fabrics such as Kb 940 carry a five year guarantee.

COLOURS

Probably the widest choice of colours of any range of rucsacs.



You're bound to find just the right combination for you.

THE FREE KARRIMOR RUCSAC GUIDE
Beautifully printed in colour. It's yours free if you send the coupon.

KARRIMOR

To Karrimor Australia Pty Ltd. P.O. Box 135, Beaconsfield, 2014.
Please rush me the latest Karrimor Rucsac Catalogue.

My main interests are:

- | | |
|--|--|
| <input type="checkbox"/> Bushwalking/camping | <input type="checkbox"/> Climbing |
| <input type="checkbox"/> Cycle Touring | <input type="checkbox"/> Other (Specify) |

Name

Address

..... Post Code

KA FPC WM



David Tatnall

Snow gums on Mt Bogong. Right, Mt Buffalo Plateau. Over, the Crosscut Saw. All photos were taken in the Victorian Alps.





Folio







Royal National Park

Bushwalking on Sydney's doorstep, by Stephen Bunton

Track Notes

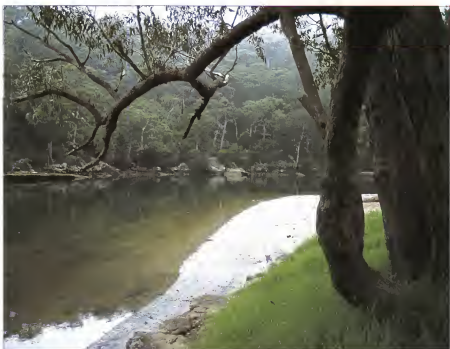
● WHEN A LARGE AREA OF BUSHLAND TO THE south of Sydney was proclaimed a public reserve in 1879 it showed extraordinary foresight on the part of the New South Wales Government of the time. In 1886 it became Royal National Park, only the second National Park in the world (after Yellowstone National Park in the USA). The notion that this region would be of immense value as recreational space for the inhabitants of Sydney has since been proved true. Each week-end thousands of urban escapees enter the park to enjoy a variety of activities. Although the area could no longer be considered wilderness it is still a valuable recreational resource.

'The National Park' occupies 15,000 hectares bordering on Sydney's southern suburbs. It acts as a substantial green belt which separates the metropolis of Sydney from that of Wollongong. The park extends along the Pacific coastline, bordered to the north by Port Hacking, and to the south by the urbanization of Otford and Helensburgh. The thin strip of civilization along the Princes Highway and the Illawarra railway running parallel to it provides its western boundary.

Potential for enjoyment, excitement or relaxation within the park is limitless. For decades families have planned traditional barbecues at the many sites in the park. Rock fishermen have always haunted its shores, whilst others have been content with a ferry ride to Bundeena, or the hire of a row-boat at Audley.

Today people's activities are as non-traditional as windsurfing, scuba diving and nude sunbathing. The park caters for them all. If 'parks are for people' then this is the park that most of them choose, and the NSW National Parks and Wildlife Service realizes it. An effective and constantly updated land-use plan is in operation to minimize the impact upon the natural features. Surf beaches have shower/toilet blocks. There are kiosks, but there appear to be adequate bins and garbage disposal to reduce the litter problem. Picnic areas are tastefully laid out to accommodate people without a feeling of overcrowding. The look-outs, places of interest and tracks are well signposted. The NPWS also provides pamphlets as guides to the walking tracks and access roads.

To enjoy the park fully you do not need to be a hard-core bushwalker. Royal National Park provides a non-serious introduction to the joys of the bush. Many school children first visit the park on an educational excursion. Those whose parents did not take them on a picnic when they were younger might venture forth on a camping



Misty morning, Hacking River. Left, sea cliffs, Wattle-molla. Gary Tischer

trip at a later stage. Other teenagers may need surfing as an excuse to spend a week-end in the park. More established park users may even have their own seaside shack in the park. Today these shacks might be considered unsightly, but they reflect the historical air that pervades 'the Royal'. At one stage, a population of red deer was introduced to the park. Now the deer are facing extinction because of their feral status.

Today the park may still be considered to be under threat from its proximity to urbanization, the feral cat and the feral trail bike. The NPWS is doing its best to educate the population of park users, and it seems an ideal place for people to learn an appreciation of our Australian bushland. At the park headquarters, at Audley, there are regular screenings of a magnificent multi-projector audio-visual presentation showing to advantage the park's many attributes.

The geology of the Sydney Basin may not make for the most dramatic bushwalking scenery, but this characteristic landscape yields a profusion of plant and animal species. The park is a birdwatcher's paradise and after dark

is alive with our native nocturnal animals. The numerous roads provide excellent access for the naturalist, novice bushwalker, resident and picnicker alike.

The spectacle of this park is its variety of habitats. The sandstone plateau has been dissected by both the sea and streams. Wind-blown heath extends to the tops of the cliffs which plunge into the ocean. Sheltered coves allow the growth of banksia and ti-tree. Sand dunes have choked some seaward-flowing streams, producing picturesque lagoons. Ecological succession can be observed as spinifex invades the sand or where mangroves colonize estuarine mud flats of Port Hacking. The Hacking River has carved a deep valley, which can be followed by driving along Lady Carrington Drive. This trip reveals the dark mysteries of a lush rainforest replete with its majestically tall eucalypts. By contrast, the moist conditions provide a home for numerous species of the park's smallest inhabitants, frogs and their insect prey. No matter where you choose to walk, or simply picnic, you cannot help but be astounded at the natural wealth and beauty of Royal National Park.

In 1879 it may have seemed a huge tract of

Why the Downia the better

Down Quality:

This is the most important single attribute of a bag. All down sleeping bags are not created equal, even if they are stated to have the same warmth factor, i.e. 550 loft. (Loft is the volume of entrapped or insulating air space that 1 ounce of down occupies under specific test conditions. 550 loft theoretically means 550 cubic inches of air space per ounce of down.)

Downia are recognised experts in lofting with over 50 years experience in the field.

Our down not only meets or exceeds all conventional lofting values but is almost infinitely soft and long-lasting in its ability to contour itself to your body and to recover its full lofted volume after being compressed.

Shell and Liner Materials:

We use light, tough 1.9 oz down-proof nylon fabric for the job. This nylon is used exclusively on all outers, walls and on the liners of every bag, with the exception of the Treeline 620 where Downia use a superfine 2.2 oz cotton inner, accepting that the extra comfort is worth the slight (.3 oz square yard) additional weight.

Stitching:

All stitching is downproof. We use a special long-life high-strength thread compatible with the other high quality materials.

Shape:

The shape of a sleeping bag determines both the warmth and weight. Basically there are three shapes that a sleeping bag can be made in: Rectangular where the sides of the bag are parallel; Modified where the bag narrows towards the bottom slightly; or Mummy where the bag tapers to follow the body shape.

Internal Construction

1. **BOX WALL.** The most effective, value-for-money type of construction used in sleeping bags today. Used on all Downia Treeline and Snowfield bags. All walls are the same super-tough 1.9 oz Ripstop nylon as the bag outer.

2. **SLANT WALL.** (Advanced Box). The advanced slant wall gives extreme down stabilisation for more excellent conditions. Although more expensive and heavier than a normal box wall these disadvantages are more than offset by the extra warmth gained. Used on the Downia Glacier 1100.

Draught Excluder:

All Downia sleeping bags are fitted with a draught excluder which covers the entire length of the zip. This eliminates draughts and consequent heat loss from that area.

Hoods:

All Downia hoods are continuous with the main body of the bag and share the same internal construction; box walling on the Treeline and Snowfields and slant walling on the Glacier. All hoods are fitted with a locking cord grip and may be adjusted anywhere from from fully open to fully closed.



Designed and made in Australia.
Sanitized for lasting freshness.

Design/style	Fill weight	Total weight	Rating	Coastal 3 season	Mountain summer	Coastal winter	Mountain 3 season	Mountain winter	Ski touring	Expedition
620 Treeline Modified Rectangular	620 grams	1.6 kilograms	0° C	Excellent	Excellent	Good	Good	—	—	—
600 Treeline Mummy	600	1.3	-3° C	Good	Very good	Very good	Excellent	Acceptable	—	—
920 Snowfield Modified Rectangular	920	1.9	-8° C	Good	Good	Excellent	Excellent	Very good	Acceptable	—
900 Snowfield Mummy	900	1.8	-12° C	Acceptable	Good	Very good	Very good	Excellent	Very good	—
1100 Glacier Mummy	1100	2.0	-20° C	—	—	Acceptable	Acceptable	Very good	Excellent	Excellent

For your nearest stockist and brochure write or call: Outdoor Life Pty Ltd 222 Pacific Highway HORNSBY NSW 2077 (02) 476 5566. Merchant Adventurers 16 Flinders Lane MELB VIC 3000 (03) 654 1611

land to place aside for posterity. Today it is only a small park by comparison to other National Parks. Its value as a recreational resource, however, far exceeds any other. Arguably it is the most important National Park in Australia.

When to go. All year round. Parties should consider their length of intended stay so that they are suitably prepared. In summer this may mean carrying water, sunburn cream or possibly even a raincoat if a southerly buster is predicted. In winter the weather is usually fine and mild; no doubt you will be carrying a jumper anyway.

Maps. The Central Mapping Authority of NSW 1:25,000 series sheets of *Port Hacking* and *Otford* cover the park. There is also a useful 1:30,000 *Tourist Map* by the CMA.

Access. A number of roads enter the park at various places. Many of the roads are the access roads to Otford and Bundeena or the beaches of Garlie and Wattamolla. The stations along the Illawarra railway line provide access to the west and south. The Bundeena ferry leaves from Cronulla station. In conjunction with the train service, this ferry provides the ideal opportunity for a number of interesting through-trips without the problems of a car-swap. Similarly, two railway stations can be used judiciously. This style of public transport utilization is the most attractive feature of bushwalking in the park for those young people who cannot yet drive.

Port Hacking can also be crossed by small boat, sailing craft or canoe from any of the boat ramps in the shire of Sutherland.

The walks

Easy half-day walks—short return trips

These are walks which can be taken at your leisure, with no special equipment required.

- 1 Bundeena to Jibbon Point
- 2 Bundeena to Marley Beach
- 3 Bundeena Road to Marley Beach
- 4 Wattamolla Road to Curracurrang
- 5 Otford Look-out to Werrong Beach
- 6 Otford Look-out to Burning Palms
- 7 Garie Beach to Era Beach
- 8 Heathcote to Karloo Pool

Committing day trips

These involve the use of public transport and thus dictate that you reach your destination at a certain time. A day pack is recommended, if only to carry your lunch.

- 1 Waterfall Station to Heathcote Station via the Uloola Track
- 2 Waterfall to Audley
- 3 Heathcote to Audley

**The Coast Walk—Lilyvale (or Otford)
Station to Bundeena Ferry**

This is the classic two-day walk which traverses the length of the park and takes in the whole of its magnificent coastal scenery. The walk could be done in reverse but would need to finish at Otford because Lilyvale is not a scheduled stop. Also, it is easier to walk south to north with the wind at your back.

You will need to inform the guard of the train, when you board it at Sutherland, that you wish to alight at Lilyvale station. From Lilyvale station descend into a little gully behind the platform and cross a small creek. This gives access to the Karingal Picnic Area. Cross the picnic area at its southern end to meet Lady Wakehurst Drive. The track to the coast begins here and is well signposted, as are other possible day walks.

The track heads east into the bush and ascends steeply through woodland. Heathland

begins at the top of the rise, and the track from Offord comes in from the right. To the left is an alternative route to Burning Palms. The recommended way is straight ahead until the scarp is met, and an excellent view down into Werrong Beach gives assurance that you are going the right way. This track descends to Burning Palms by skirting beneath a series of cliffs. Here is your first venture into the rainforest which occupies the various sheltered niches along the coast.

From Burning Palms the track leads past a collection of beach huts and over a grassy headland, where once again beach huts are encountered. The track now leads round the rock platform or over another grassy headland, depending on the tide. The traverse of the rock platform to Garie Beach can be made even at high tide, except when there is a heavy sea running. Either Era Beach or Garie Beach provides an ideal lunch spot. There is a kiosk at Garie.

Crossing the vast sand expanse of Garie Beach might seem tiring, but the hill at the end of it is the steepest of the whole walk. Once again you are on top of the sandstone plateau and the cliff-top views become progressively more spectacular. The track cuts across the heath and through banksia and ti-tree scrub where New Holland honeyeaters play amongst the blossoms. A great view of Eagle Rock is

enjoyed as you descend to Curracurrong. The continuation of this track leads to the numerous good campsites at Curracurrong. (Some people prefer to camp at North Era.)

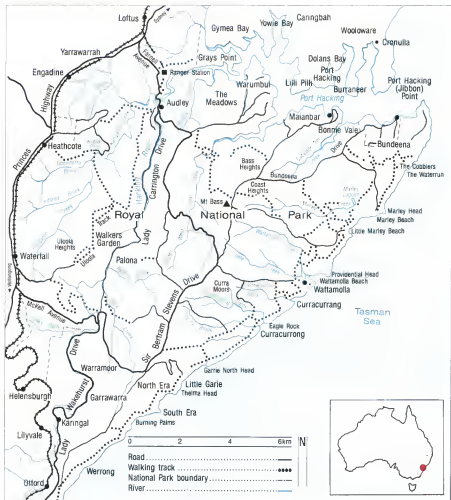
Campsites along the coast are desperately short of firewood. The NPWS insists that you carry a stove. The NPWS also regulates the usage of campsites by prohibiting camping at various localities for a duration of two years. It rotates these areas. Currently there is no camping at Marley, but in the past the ban has applied at Curracurrang. Parties should consult the park rangers before setting out.

Beyond Curracurrang a short cliff-top walk leads to Wattamolla. From here the height of the cliffline gradually diminishes to the large-bayed beach of Marley and Little Marley. These are inspiring places for a lunch stop and possibly a swim. Some modicum of care is needed because all the beaches in the park are steep, and the surf rough and with treacherous rips.

The final cliffline traverse is more open and impressive than that previously experienced. It provides a suitable climax to a worthwhile walk. The final challenge is navigating through the suburban streets to locate the ferry terminal. On a Sunday afternoon you are sure to find more than one local resident watering their roses. ●

Stephen Burton (see Contributors in *Wild* no 6) is *Wild's* Contributing Editor for caving. He has been caving for 14 years and is an active bushwalker, climber, canyoneer and Nordic skier.

Royal National Park



NEW ZEALAND SKI TOURING



Alpine & Nordic



- small groups
- private huts
- equipment, food and transport provided
- internationally qualified guides

Alpine Recreation Canterbury Ltd

Lake Tekapo,
New Zealand,
P.O. Box 75,
Telephone (05056) 736



Don't go without us!

Now that summer is over, thoughts turn to skiing. Before you embark on that winter trip come and see our wide selection of cross country ski equipment.

We have everything you need; skis, boots, sleeping bags, packs, tents, a great clothing selection, sunglasses, stoves, food and books: all backed by expert advice.

Save the hassle of personal shopping and use our full mail-order service. Or simply hire what you need.

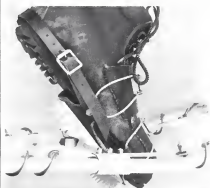
Don't forget we're cross country gear specialists. Why not prepare now for that overseas trip or this year's season?

For the best in quality, service and price, come to Norski.



NORSKI
PTY LTD
74 Clarence Street
Sydney 2000
Phone (02) 29 7792

GO WHERE SKIERS FEAR TO TREAD!
WOORAKS
THE AUSTRALIAN-MADE SNOW SHOES



☐ Strong lightweight construction ☐ Quick-release buckles ☐ Sharp teeth for grip on ice ☐ Fit most shoes and boots ☐ Spare parts available ☐ \$A270/pair (retail) ☐ Trade enquiries welcome. Excellent rental potential ☐ For more information contact P F Holdings Pty Ltd, PO Box 351, Rydalmere, NSW 2116.

Glacier & Assoc. 6013

Skiing the Australian Alps

Wild Activities Survey

The best places to go, and how to get there, by Barbara Bryan and Michael Collie

• JUST AS A BLIZZARD-STRICKEN SKI TOURER might wish it were instantly summer, many plodding bushwalkers long for the miraculous transformation of their domain to an alpine landscape: they dream of exchanging their laborious gait for the skier's smooth motion. Winter snow, apart from providing the pleasures of skiing, makes much of the Australian Alps accessible only by ski. The Alps assume much of their former pristine character when roads and trails are concealed under a mantle of snow. Exploring each winter's unique gift of snow and ice, and mastering skiing techniques, is an enduring challenge.

This survey examines the potential of places in the Australian Alps for ski tourers by considering their character, facilities, access and available information. The accompanying map features, in pale blue, land above 1,500 metres.

The cross country ski season normally extends from June to early October in Victoria and from late May to November in New South Wales. Skiing can often be enjoyed in early December on the Main Range near Mt Kosciuszko after a good winter.

If you do not have experienced skiers as friends, cross country ski clubs offer inexpensive tuition for members, opportunities to join trips in the company of experienced leaders, and a wide range of people to share your winter experiences with. You can contact clubs by enquiring at shops selling cross country skiing equipment, or through the ACT Ski Council Nordic Committee, PO Box 376, Canberra, ACT 2601; Australian Ski Federation Nordic Committee, and NSW Ski Association Nordic Committee, Room 302, Sports House, 157 Gloucester Street, Sydney, NSW 2000, (02) 241 1581; Ski Touring Association of Victoria, GPO Box 204, Melbourne, Victoria 3001, (03) 329 2262; or Victorian Ski Association Nordic Committee, PO Box 210, South Melbourne, Victoria 3205, (03) 699 3292. Instruction and tours are also provided by commercial operators. (Refer to Ski Touring Survey in *Wild* no 17, and the Adventure Activities Directory in this issue.)

Beginners. Cross country skiing can be enjoyed with little technique or experience. Areas described in the table as **Developed** are suitable for unsupervised beginners. Developed areas may offer sheltered, marked and groomed trails, the security of safety patrols, and possibly shops and commercial ski instructors. Developed areas are served by cleared, all-weather roads and likely to be close to an alpine resort.

A **Semi-developed** area has trails marked with pole lines or signs for day touring. Semi-developed areas are reached by all-weather roads and are suitable for beginners with guidance.

Skiers should acquire adequate fitness, experience, and survival and navigation skills near Developed areas before venturing further



Skiing the Paralyser, Snowy Mountains, New South Wales. Bill Bachman

afield. Inadequately equipped skiers are at risk even in Developed areas. Skiers must be well equipped and prepared for all conditions. Knowledge of alpine weather is needed by all skiers; clear sunny skies can quickly give way to blizzard conditions. Even in Semi-developed areas, severe conditions can be a hazard. In 1985 two skiers died whilst trying to descend Mt Stirling (Victoria) in poor weather. (Refer to the Editorial and *Wild* Information in *Wild* no 19.)

Experienced skiers. Skiers should only venture beyond Developed areas in a party of at least four people, and with adequate navigation skills. An area described in the table as a **Semi-remote** area may have signs, pole lines above the snow line, possibly huts and some visitor information, but is rendered inaccessible by snow. Skiing in a Semi-remote area will take you a few kilometres from access roads.

A **Remote** area is suitable only for small, experienced and self-sufficient groups. There

are unlikely to be pole lines, or signs, few if any huts and very little touring information. A Remote area is inaccessible and rarely visited during winter. Road access may often be more than several kilometres away.

Roads referred to in the table are not patrolled or cleared during winter unless they are specifically described as cleared. Great care must be taken when using unpatrolled remote roads to avoid being stranded after a snowfall. Chains and a shovel should always be carried in your car during winter. Information about road conditions can be obtained from local people and the government departments controlling each area.

Skiing areas are surveyed from north-east to south-west. The nearest road access and major town is given, as well as the distance from the nearest capital city.

The maps listed are currently available from map and outdoor equipment shops.

Because very little of the Victorian Alps is above the tree line (about 1,700 metres) skiing marginal snow fields is more popular than it is in New South Wales where there is a massive area of exposed country. ●

Further reading

Bushwalking, Camping and Ski Touring by Tim Lamble (Paddy Pallin, 1985).

Bushwalking in Kosciuszko National Park by Charles Warner (Charles Warner, 1983).

Comfort Below Freezing by Roberts McQuilkin (Anderson World, 1980).

Cross Country Downhill by Steve Barnett (Pacific Search Press, 1982).

Cross Country Skiing Guide edited by John Hamburger (World Publications, 1978).

Mountaineering First Aid by Martha Lentz, Steven Macdonald and Jan Carline (The Mountaineers, 1985).

Skiing the High Plains by Harry Stephenson (Harry Stephenson, 1981).

Snow Camping by *Nordic World* magazine (World Publications, 1975).

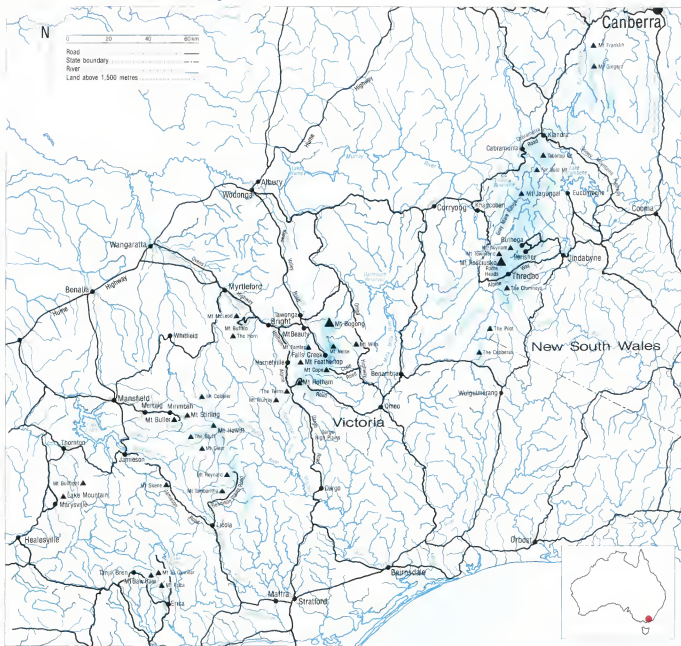
Snowy Mountains Walks (Geehi Club, 1983).

Winter Safety Handbook by *Nordic World* magazine (World Publications, 1976).

Barbara Bryan (see Contributors in *Wild* no 17) is a keen ski-tourer and has been an active bushwalker for 17 years. She has walked in Kenya, New Zealand and the USA, as well as throughout Australia. Michael Colles is *Wild's* designer and is responsible for advertising in *Wild*. He has a passion for skiing in obscure places and excavating snowbound cars.

igloo. Chris Myers

The Australian Alps



Wild Activities Survey



Wild Activities Survey Where to Ski Tour

Area	Character	Access	Maps
Brindabellas			
Mt Franklin, Mt Genger	Remote	Mt Franklin Road (56 km Can)	1:100,000 Brindabella and Tentangara Natmap; 1:50,000 Brindabella CMA
Northern Snowy Mountains			
Tantangara Mountain	Semi-remote	Kiandra, Snowy Mountains Highway (cleared) (210 km Can)	1:100,000 Brindale, Kosciusko, Bntangara and Yarrangobilly Natmap
Mt Selwyn	Developed	Three Mile Dam, Cabramurra Road (cleared), Snowy Mountains Highway (218 km Can)	As above
Kings Cross Road	Semi-developed	As above	As above
Mt Tabbot	Semi-remote	Mt Selwyn, as above	As above
Cabramurra	Developed	Cabramurra Road (cleared), Snowy Mountains Highway (225 km Can)	As above
North-west Snowy Mountains			
Perry Point, Toolberg Range, the Gungah Range	Remote	Tooma Reservoir, Tooma Road, Khancoban (475 km Mel), Cabramurra, Cabramurra Road, Snowy Mountains Highway, Gungah	1:100,000 Kosciusko Natmap, 1:50,000 Khancoban CMA, 1:50,000 Round Mountain VMTC
Grey Mare Range	Remote	Gungah, Island Bend Road (cleared) (503 km Syd), Robertsons Ridge, Peninsula Fire Trail, Gungah Reservoir Road, Alpine Way (cleared) (554 km Syd), Gungah Reservoir, Gungah Reservoir Road, as above, Tooma Reservoir, Tooma Road, Khancoban (475 km Mel)	1:100,000 Kosciusko Natmap, 1:50,000 Mount Kosciusko and Khancoban CMA
Mt Jagungal			
Mt Jagungal, Strumbo Range, the Brissy Mountains	Remote	Mt Selwyn, Cabramurra Road (cleared) (218 km Can), Gungahin Range, Eucumbene (172 km Can), Gungah, Island Bend Road (cleared) (503 km Syd)	1:100,000 Brindale, Kosciusko, Bntangara and Yarrangobilly Natmap, 1:50,000 Khancoban CMA, 1:50,000 Round Mountain VMTC
Main Range, Snowy Mountains			
Mt Tate, Mt Anderson, Mt Armon, Mt Tynham, Blue Lake, Watsons Crags, Little Austria, Mt Townsend, Mt Northcote	Remote	Gungah, Island Bend Road (cleared) (503 km Syd), Persister, Kosciusko Road (cleared) (498 km Syd), Thredbo (chair lift), Alpine Way (cleared) (501 km Syd, 554 km Mel)	1:100,000 Kosciusko Natmap, 1:50,000 Mount Kosciusko CMA, 1:25,000 Persister-Snowygon Holes-Charlotte Pass-Gungah Alps
Persister Village	Developed	Persister, Kosciusko Road (cleared) (498 km Syd)	1:100,000 Kosciusko Natmap, 1:50,000 Mount Kosciusko CMA
Rams Head Range	Semi-developed	As above	1:25,000 Persister-Snowygon Holes-Charlotte Pass-Gungah Alps
Mt Kosciusko, Rams Heads	Semi-remote	As above, Thredbo (chair lift), Alpine Way (cleared) (501 km Syd)	1:100,000 Kosciusko Natmap, 1:50,000 Mount Kosciusko CMA
Great Divide, South of Kosciusko			
Cascades, the Chmneys (Ridge)	Remote	Osad Horse Gap, Alpine Way (cleared), Thredbo (508 km Syd), the Cobblers	1:100,000 Jacobs River Natmap
The Pilot	As above	As above	As above
The Cobblers	As above	Black Mountain Track, Walgaitersung (430 km Mel), Tin Mine Road, Benambra (443 km Mel) As above	As above

	<h1>GO • ANY • WEAR</h1>		<ul style="list-style-type: none"> • EXTREME WINTER TRAVELLING • EXPEDITIONS • AURORA DUVET • Available in Goretex or Tactel fabric • Waisted, longline boxwall construction • Finest Superdown insulation • Two patch handwarmer pockets and chest wallet pocket • Specially designed hood for ultimate warmth • \$269 Tactel \$379 Goretex
<ul style="list-style-type: none"> • SKI PROFESSIONS • PRO-SKI • Based on our design for Falls Creek Ski Patrol and Mt Buller Lift company • Goretex outer, Thinsulate insulation • Drawcord waist • High collar with tuck-away hood • Two zippered handwarmer and two chest pockets • \$299 	<ul style="list-style-type: none"> • YACHTING • MARINE • • ALL-PURPOSE • WINDSHELL • Wind and waterproof Tactel outer fabric • Cosy Fibrepile lining • Two chest, two handwarmer and two zippered storage pockets • High, soft collar • \$118 		
<ul style="list-style-type: none"> • ALL-PURPOSE • POLARSHIRT • Crafted in hi-tech Polarfleece - warm, light, quick-dry alternative to the traditional wool shirt • Press studded neck and collar • Practical long-tailed styling • Half length zipper • \$89 		<ul style="list-style-type: none"> • ALL-PURPOSE • NORTHCAPE CREST • Cosy, warm laminated Fibrepile • Full length zip • Soft, high collar • Two handwarmer pockets • \$99 	<ul style="list-style-type: none"> • WINTER TRAVELLING • • TREKKING • SPINDRIFT • Goretex or Tactel fabric • Superdown insulation • Waisted, longline styling for protection • Two handwarmer pockets & external entry wallet pocket • Combination inner cuff & stormcuff sleeves • Specially designed hood for total warmth • \$199 Tactel \$299 Goretex
		<ul style="list-style-type: none"> • CROSS-COUNTRY SKIING • • WINTER TRAVELLING • SNOWGOOSE • Goretex or Tactel outer fabric • Thinsulate insulation • Two handwarmer and four cargo pockets • Waisted styling • Detachable insulated hood • \$169 Tactel \$269 Goretex 	



Brisbane 95 Albert Street (07) 221 6756
Sydney 494 Kent Street (02) 267 8238
Canberra Custom Credit House, 38 Akuna Street (062) 47 7153
Melbourne 377 Little Bourke Street (03) 67 3354, 67 3355
Perth 862 Hay Street (09) 322 4774

Wild Activities Survey Where to Ski Tour

Area	Character	Access	Maps
Mt Bogong			
Mt Bogong Summit	Semi-remote	Mourrain Creek Road, Towanga South (475 km Mel), Bogong High Plains, Long Spur, Mt Wills, Oneco Highway (472 km Mel)	1:63,360 Bogong High Plains and Adjacent Peaks Alpina, 1:25,000 Nelse and Trappers Creek Vicmap
West Peak, Quartz Ridge	Remote	Mt Bogong summit, Mountain Creek Road, Towanga South, Timms Lookout, Bogong High Plains As above	1:25,000 Mt Wills Vicmap
Mt Wills	Semi-remote	Oneco Highway	
Bogong High Plains			
Falls Creek	Developed	Kiewa Valley Road (cleared), Mt Beauty (372 km Mel)	1:63,360 Bogong High Plains and Adjacent Peaks Alpina, 1:63,360 Feathertop Department of Conservation, Forests & Lands, 1:25,000 Nelse Vicmap
Mt Nelse, Spout Koppe	Semi-remote	Falls Creek	As above
Mt Cape, Mt Jim	As above	Falls Creek, Cope Road, Oneco Highway (460 km Mel)	1:63,360 Bogong High Plains and Adjacent Peaks Alpina, 1:25,000 Cope and Feathertop Vicmap
Mt Faister, the Niggerheads	Remote	Falls Creek, Faister Fire Track, Bogong Village (350 km Mel)	1:63,360 Bogong High Plains and Adjacent Peaks Alpina, 1:25,000 Faister and Feathertop Vicmap
Mt Feathertop			
Burgallow Spur	Semi-remote	Hannellville, Owens Highway (500 km Mel)	1:63,360 Feathertop Department of Conservation, Forests & Lands, 1:63,360 Bogong High Plains and Adjacent Peaks Alpina, 1:50,000 Falls Creek-Mount Hotham David Rowlands, 1:25,000 Feathertop and Hannellville Vicmap
North-west Spur	Remote	Storey Creek, Owens Highway (496 km Mel)	As above
The Razorback	Semi-remote	Mt Hotham, Alpine Road (cleared), Hannellville (455 km Mel)	As above
Mt Hotham			
Hotham Village, the Big Spur, Wire Plain, Whiskey Flat	Developed	Mt Hotham, Alpine Road (cleared), Hannellville (366 km Mel); Alpine Road (cleared), Oneco (455 km Mel)	1:63,360 Feathertop Department of Conservation, Forests & Lands, 1:63,360 Bogong High Plains and Adjacent Peaks Alpina, 1:50,000 Cross Country Hotham-Paw Plains Creek Alpina, 1:30,000 Falls Creek-Mount Hotham David Rowlands, 1:25,000 Development-Whiskey Flat-Paw Plains Six Peaks Alpina, 1:25,000 Feathertop Vicmap
Mt Lach	Semi-developed	As above	As above
Machiney Spur	Semi-remote	As above	As above
Bulter Plain, Mt Tabletop	As above	Paw Paw Plain, Alpine Road, Mt Hotham	1:100,000 Dargo Natmap
The Towers, Mt Murray	Remote	Mt St Bernard, Alpine Road (357 km Mel)	1:100,000 Dargo and Hovatt Natmap, 1:25,000 Hannellville Vicmap
Mt Buffalo			
Tatra Inn trails	Developed	Tatra Inn, Tourist Road (cleared), Pompankuzh (335 km Mel)	1:63,360 Mt Buffalo National Park Alpina, 1:30,000 Mt Buffalo Plateau G Lawford
The Horn	Semi-developed	As above	As above
Wild Dog Plain	Semi-remote	Tourist Road (cleared), Pompankuzh	As above
Mt Mounard	Remote	As above	As above
Dargo High Plains			
Dargo High Plains	Remote	Dargo Road, Dargo (325 km Mel), Alpina Road (cleared), Mt St Bernard, Hannellville (357 km Mel)	1:100,000 Dargo Natmap
Mt Howitt, Snowy Range			
Bennison Plains	Semi-developed	Tamooritha Saddle, Tamooritha Road, Licola (296 km Mel)	1:100,000 Howitt Natmap, 1:63,360 Snowy Plains, Mt Wellington and Lake Tai Karig VMTG
The Lost Plain	As above	Bennison Plains Road, Licola (311 km Mel)	As above
Mt Reynard	Semi-remote	As above	As above
Mt Howitt, Mt Speculation	Remote	Eight Mile Gap, Brooks Road, Howqua Track, Mt Bulter Road, Merrilij (241 km Mel); Bennison Plains Road, Licola	1:126,720 Macalister River Watershed VMTG, 1:100,000 Howitt Natmap
Cobbler Plateau	As above	Cobbler Lake Road, Whitfield (329 km Mel)	As above
The Bluff, Mt Clear			
The Bluff, Mt Clear, Mt Lovick	Remote	Eight Mile Gap, Brooks Road, Howqua Track, Mt Bulter Road, Merrilij (241 km Mel)	1:100,000 Howitt Natmap, 1:50,000 The Watersheds of the King, Howqua and Jameson Rivers VMTG
Mt Stirling			
King Saddle, lower trails	Developed	Telephone Box Junction, Stirling Road (cleared), Merimbah (225 km Mel)	1:50,000 The Watersheds of the King, Howqua and Jameson Rivers VMTG, 1:25,000/1:12,500 Mt Stirling Alpina
Mt Stirling	Semi-developed	As above	As above
Howqua Spur, Falls Nest Spur, River Spur, Clear Hills	Semi-remote	As above	As above
Mt Bulter			
Mt Bulter Alpine Village (trails)	Developed	Mt Bulter Road (cleared), Merimbah (263 km Mel)	1:50,000 The Watersheds of the King, Howqua and Jameson Rivers VMTG, 1:25,000/1:12,500 Mt Stirling Alpina
Corn Hill	Semi-developed	As above	As above
Mt Skene			
Mt Skene	Remote	Licola Road, Licola (324 km Mel); Jameson Road, Jameson (280 km Mel)	1:100,000 Mansfield and Maitland Natmap
Baw Baw Plateau			
Baw Baw Village	Developed	Neulynes car-park (clear Ht), Targil Bren Road (cleared), Targil Bren (160 km Mel)	1:100,000 Maitland Natmap, 1:50,000 Baw Baw National Park and Whittalla Historic Area VMTG, 1:25,000 Baw Baw Plateau Fritz Balkau
Mt Baw Baw	Semi-developed	As above	As above
Mt St Gwynne, Mt St Philack	Semi-developed	St Gwynne car-park, Thomson Valley Road (cleared), Erica (200 km Mel), Baw Baw Village	As above
Mt Whitlaw	Semi-remote	As above	As above
Mt Erica	As above	Mt Erica car-park, Thomson Valley Road, Erica (190 km Mel)	As above
Lake Mountain			
Echo Flat Trail	Developed	Gorathys car-park, Lake Mountain Road (cleared), Cumberland Road, Marysville (120 km Mel); 15,000 Lake Mountain Ski Trails Alpina	As above
Jubilee Trail, Woollybutt Trail	Semi-developed	As above	As above
Mt Bullgitt	Remote	As above, Snobs Creek Road, Thornton	1:100,000 Alexandra Natmap, 1:15,000 Lake Mountain Ski Trails Alpina
Mt Torsbeck	As above	Cornes Gap Road, Snobs Creek Road, Thornton (141 km Mel)	1:100,000 Alexandra Natmap

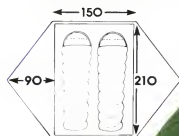
Back again!

The tent you've been looking for... **THE SIERRA DOME**

with new improved features for 1986

A true 4 season shelter with two vestibules - not only provides roomy protection from wild winter weather, but opens wide to let cooling summer breezes flow through.

Uncommon value for...



\$365



...an uncommonly practical design:

Designed by Salewa (Sol-ee-wa) of West Germany, this unique tent is packed with features.

Inner Tent has a genuine 'bath-tub' floor construction, lantern loops and handy storage pockets. Entrances on both sides have additional mosquito net doors to ensure maximum 'thru' ventilation and provide a welcome sanctuary from annoying insects. The height of 115 cm allows two to sit up in comfort.

Polyester Flysheet extends 'down to earth' to seal out wind-driven rain and snow. The fly can be pitched first in wet weather or by itself to provide a lightweight (2 kg) single-skin shelter for up to 3 or 4

people. Two closeable vents (one in each vestibule) minimise condensation when cooking or when the fly is completely closed. All seams are factory seam-sealed for complete waterproofness.

Two Vestibules. You no longer need to put up with gear cluttering your sleeping area, store it all - packs and boots included, in one vestibule. Use the other as a dry, roomy, well-ventilated cooking area.

Alloy Poles are shock-corded for easy assembly. Strong and light, these poles fold down into 50 cm long sections that stow easily in any pack.

Lightweight 3 kg (approx).

LIMITED STOCK OFFER - AVAILABLE FROM THESE



SHOPS ONLY!

- | | |
|------------|--|
| NSW | EASTWOOD CAMPING CENTRE, 3 Trelawney Street, Eastwood 2122. Phone (02) 858 3833 |
| | MOUNTAIN EQUIPMENT, 291 Sussex St (cnr Bathurst St), Sydney 2000 Phone (02) 264 3146 |
| | THE OUTDOOR EXPERIENCE, 518 Macaulay Street, Albury 2640 Phone (060) 21 5755 |
| | BUSHCRAFT EQUIPMENT, 90 Burrelli Street, Wollongong 2500 Phone (042) 29 6748 |
| QLD | TORRE MOUNTAINCRAFT, 600 Sherwood Road, Sherwood 4075 Phone (07) 379 5549 |
| SA | FLINDERS CAMPING, 300 Gilles Street, Adelaide 5000 Phone (08) 223 1913 |
| VIC | BUSH & MOUNTAIN SPORTS, 204 La Trobe Street, Melbourne 3000 .. Phone (03) 662 3349 |
| | THE WILDERNESS SHOP, 1 Carrington Road, Box Hill 3128 Phone (03) 898 3742 |



(INTERTEK is an organisation of independent owner-operated specialist outdoor shops around Australia.)

Winter Tents

Stay warm and dry in the snow, with Dave Jones

Wild Gear Survey

● A SNOW TENT WILL PROBABLY BE THE MOST expensive item of backpacking equipment you will buy, so it is worth while making sure you get the right one.

Shape. These days most four-season or winter tents are either domes or tunnels. Traditional 'ridge tents' have an A-shaped cross-section; domes and tunnels have a curved cross-section. Poles intersect in a dome tent; in a tunnel tent they do not. Domes and tunnels are more suited to winter conditions as they are less affected by wind or snow and provide more usable volume for a given floor area. Maximum interior dimensions are measured at the floor's longest and widest points. Some tents taper dramatically.

Vestibules. Snow tents often have vestibules. These handy extensions to the fly provide protection for cooking, storage, dressing and undressing.

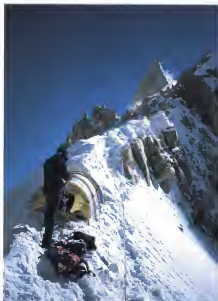
Fabric. Most tents are made in two separate parts, one inside the other. This is called 'double-skin' construction. The outer skin is called the fly and is made of proofed nylon or Dacron. The 'proofing' is normally a polyurethane coating inside, and silicon coating outside. Protected by the fly, the inner tent is usually of an uncoated nylon with a light silicon treatment to make it water resistant without affecting its porosity, allowing it to breathe.

Size. Tents for winter use should be roomy. You spend much more time tent-bound owing to the longer nights and colder temperatures. Bad weather can keep you inside all day. It is good if you can have at least one large tent in the party so you can be sociable. Many a congenial evening has been spent huddled in a snow tent playing games and talking. The record in my snow tent is eight people with a guitar, flute and several tin whistles. It was quite an evening! The walls of the inner tent should be as close to vertical as possible to allow maximum use of the floor area. Tents which taper off can be annoyingly inefficient in this respect.

Snow shedding. Australian snow is very wet, heavy and sticky, so snow tents need to be able to withstand a heavy load. Our snow even sticks to vertical surfaces. Whatever tent you buy, you will have to give it a healthy thump from time to time to clear snow during heavy falls. Less snow will accumulate on a tent with steep sides.

Wind resistance. Wind can be a serious problem for winter tents. In the mountains, wind tends to gust and swirl about erratically—a tent needs to be able to withstand a gale from any direction. Unfortunately, shapes that present little wind resistance (those with the least-abrupt profile) tend to hold snow best, so a compromise is called for.

Ease of pitching. Snow tents need to be easy to erect. The usual scene is howling wind, driving snow, sleet, rain or hail (or all of the above), not to mention cold, mittened hands and



On Shivering, Himalayas, Jon Muir

little patience (caused by the above conditions and a desire to escape them as quickly as possible). To make pitching easier look for continuous pole sleeves, equal-length poles with shock-cord to hold them together (label poles of unequal length for easy identification), simple design, and an inner that can be left attached to the fly so you only have to pitch one unit. Large peg loops and easily-grasped zip sliders also help.

Structure. A free-standing tent requires no tent pegs to stand up. This can be a great bonus in the snow, in rain or particularly sunny weather. Sun or rain can melt your pegs out, resulting in tent collapse unless the pole structure is self-supporting. This does not, however, mean that you do not need to use pegs. More than one bushwalker has found out the hard way that a free-standing tent will roll very quickly when pushed along by a stiff breeze. The best wind-blown tent story I have heard involved a traverse of 17 kilometres of the Main Range in the Snowy Mountains—embarrassing and very expensive. You still have to peg the tent down to make sure it stays in place! The weight of packs and gear inside is not enough to hold a tent down.

Ventilation. In Australia we are cursed with very humid winters, so condensation inside tents is inevitable. Condensation can be minimized in a well-ventilated tent. Vents must be both high and low to encourage air movement from floor to roof and out, hopefully taking the moisture with it. If there are no obstructions, enough air can usually enter the space between tent skins from under the bottom of the fly. High vents must be provided by the tent maker. It

must be possible to close vents in really bad weather. A candle lantern will help to reduce condensation significantly; it heats up the top of the tent and evaporates condensed moisture.

Poles. Tent poles should be made from the best material available. The stress applied to them can be huge, so they must be strong. They might be made out of either aluminium or fibreglass: I do not think it makes any difference which of these materials is used as long as they are strong. Segments should be strung together with either shock-cord or nylon cord to reduce fiddling and confusion. Shock-cord is preferable as the poles will assemble themselves for you. For packing convenience, pole segments should be no longer than 50 centimetres. Check the cost and availability of spare segments, just in case. It is a good idea to carry a spare segment.

Pegs. Snow pegs should measure about 20 millimetres x 200 millimetres. A few larger ones, say 30 millimetres x 250 millimetres, can be useful in soft snow. Wire pegs are useless in snow.

Peg loops should be large enough to accommodate large pegs or even skis. A short loop of nylon cord can be attached if the loops are not large enough. The minimum number of pegs required to pitch each tent satisfactorily is given first in the table. The maximum number of pegging points is given second.

Floor. Regardless of whether it is made of light or heavy material, your tent floor will eventually leak. When it does you will also have to carry a groundsheet in addition to the extra weight of a (now useless) heavy tent floor. Look for neoprene-coated nylon and tape-sealed seams.

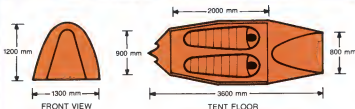
A three millimetre Utility Foam groundsheet is waterproof and reduces floor condensation. Because condensation occurs between foam mats and the floor, inside the tent, they are best positioned between the tent and the snow.

Accessories. Internal pockets are very useful for small items such as matches, glasses and packs of cards. If they are made of netting you can see their contents. Hanging loops are handy for candle lanterns, torches or clotheslines. The tent stuff-sack should be fairly roomy, so you can put a wet tent into it easily.

Using a snow tent. A lot of care should go into site choice and preparation. Choose a site protected from the worst of the elements, but exposed to sufficient air movement to ventilate your tent and discourage the accumulation of snow. Never pitch a tent under tree branches. They can fall without warning. If it snows, large blobs of snow collect on branches before suddenly dropping off, breaking poles and squashing anything underneath. It is safe to camp between trees, but not under them.

Start with a flatish spot and level it out. A snow shovel is most useful as you can move snow from the high side to the low side. Stamp it hard with either skis or feet. Smooth the area

TRILOGY... a tent for all seasons



SPECIFICATIONS:

Weight: Total	3.3 kg	Floor Area:	2.3 square metres
Inner Tent	1.7 kg	Rollled Size:	520 mm x 210 mm
Fly Sheet	1.0 kg	Maximum Pole Length:	520 mm
Poles/Pegs	.6 kg	Minimum Anchor Points:	Five
Framework:	Three hoops	Colour Options:	Caramel, Silver
	7075 T9 Easton Aluminium	Suggested Retail Price:	\$420.00
	Tubing. Shock corded.		

Your Triology Stockist:

QUEENSLAND BRISBANE, Jim the Backpacker, Scout Outdoor Centre, The Camping Centre.
NEW SOUTH WALES SYDNEY, Caving Equipment, Eastwood Camping Centre, Houdine Camping,
 Mountain Equipment, Norsk, Paddy Pallin, **AUSTRALIAN CAPITAL TERRITORY** CANBERRA, CSE
 Camping, Sports, Houdine Camping, Jurkiewicz Camping Centre, Paddy Pallin, Wild Country.
VICTORIA MELBOURNE, Bush & Mountain Sports, Eastern Mountain Centre, Marechal Camping
 Supplies, Mt Waverley Ski and Hire, Outposts, Paddy Pallin, Scout Outdoor Centres, The Wilderness
 Shop, **SOUTH AUSTRALIA** ADELAIDE, Flinders Rangers, The Scout Outdoor Centre, Thon/Paddy
 Pallin, **WESTERN AUSTRALIA** PERTH, Big Country, **TASMANIA** LAUNCESTON, Allgoods, Paddy
 Pallin, **HOBART**, The Scout Outdoor Centre, **BURNIE**, Young's Outdoor Gear.

Triology is the first tent specifically designed for all-year-round Australasian use:

FEATURES:

- **Double skinned** — inner tent pitches first with fly sheet attaching separately. Wide pole sleeves ensure maximum flow-through ventilation.
- **Triple-hoop structure** — increases stability in wind conditions.
- **Tapered design** — creates aerodynamic shape providing unrestricted entrance, maximum head room, and shedding of snowfalls.
- **Front extension of fly sheet** — provides large wet-weather storage and cooking area.
- **Fully insect proofed.**
- **Seamless "no-leak" waterproof tub floor.**
- **Long profile** — for efficient use of space and uncramped sleeping.
- **Lightweight option** — fly sheet can be pitched separately for a lightweight (1.6 kg) three-person shelter.
- **Four-minute pitch.**



Fairlydown
We go to extremes.

with the side of a ski. Prepare an area larger than the tent to make pitching easier.

Assemble the tent away from the area you have prepared and then move it into position. By being very careful not to stand on the tent site you will avoid leaving deep footprints that will be very uncomfortable to sleep on. Packed snow freezes if you leave it for a few hours, so resist the temptation to move in straight away. If you allow the tent site to freeze up you will not have to sleep on a jagged 'egg-carton' surface.

If you have a snow shovel, dig a pit, about 20 or 30 centimetres deep, in front of the door to the inner tent. This hole should be about 50 centimetres square and, when you are getting in and out of the tent, allows you to step down and then rotate as you negotiate the tent door. It also makes it easier to put on and take off your boots and gaiters. You can put your stove into

the hole when cooking, thus making the process a lot safer.

Dig the snow away from the bottom of the tent fly if it comes down to the ground. This will help to keep air moving through the tent and reduce condensation. Building walls round tents is unnecessary unless there is a blizzard. If it is snowing and blowing hard, a wall may help to bury your tent, as snow builds up downwind of an obstruction.

Snow caves. Snow caving is becoming increasingly popular with ski tourists. It must be remembered, however, that a snow shovel cannot replace a tent in your pack. All ski tourists setting out on an overnight tour must carry adequate tentage for all members of the party. You cannot rely on getting to a hut or finding a good site to build a snow shelter. Sleeping in a snow cave is an excellent alternative to a tent if you are staying several

nights in one place or if the weather makes tent pitching very difficult, if not impossible. Making a snow cave habitable takes much longer than erecting a tent (about two hours compared to four minutes). You usually get quite wet during the construction of a snow cave. A major advantage of a snow cave is that it can be made as big as you like, provided you have enough suitable snow and stay within a few engineering limitations. Snow caves are very quiet and unaffected by gales and blizzards. You can build any features you like. Kitchens, living rooms, separate bedrooms, shelving units, and even pool tables are possible. Pay special attention to ventilation. High and low openings will encourage the dispersion of humid air, carbon monoxide (from stoves) and carbon dioxide. ●

Dave Jones (see Contributors in Wild no 6) has worked in specialist outdoor shops for many years. His knowledge (and collection) of outdoor gear is renowned.

Wild Gear Survey Winter Tents

Design	Persons	Maximum interior dimensions (centimetres)	Total weight (kilograms)	Poles	Pegs min/max	Vestibule	Ventilation	Roominess	Ease of pitching	Snow shedding	Wind tolerance	Quality	Approx price
Adventure Sports Korea													
Hiker II Dome	2	210 x 140	3.6	3 aluminium, unequal length	6/10	2	●●●●	●●●	●●	●●●●	●●●●	●●●	\$250
Bergans Norway													
Tunnel	2	210 x 120	3.4	2 fibreglass, equal length	4/14	2	●●●●	●●●●	●●●●	●●	●●●●	●●●●	\$400
Caribae Korea													
Cardis Tapered tunnel	2	240 x 190	3.5	3 fibreglass, unequal length	8/16	0	●●●●	●●●●	●●	●●●●	●●●●	●●	\$175
Isodome Dome	2-3	250 x 216	4.5	4 fibreglass, equal length	6/8	0	●●●●	●●●●	●●	●●●●	●●●●	●●	\$240
Companion Korea													
Geodome Dome	2-3	250 x 190	4.8	4 fibreglass, equal length	8/18	2	●	●●●●	●●	●●●●	●●●●	●●	\$275
Orion Tapered tunnel	2	240 x 180	3.4	3 fibreglass, unequal length	6/16	2	●	●●●●	●●	●●●●	●●●●	●●	\$240
Eurakal Korea													
Alpine Meadow Hybrid	2	220 x 160	3.5	5 aluminium, unequal length	4/6	1 optional	●●●●	●●●	●●	●●●●	●●●●	●●	\$385
Timberline Ridge	2	As above	3.1	5 aluminium, unequal length	8/8	As above	●●●●	●●●	●●	●●●●	●●●●	●●	\$315
Wind River Dome	2	250 x 200	4.0	4 fibreglass, equal length	6/8	0	●●●●	●●●●	●●	●●●●	●●●●	●●	\$400
Fairlydown New Zealand													
Altitude II Tapered tunnel	2	210 x 140	3.0	2 aluminium, equal length	5/9	1	●●	●●●	●●	●	●●●	●●●●	\$455
Triogy As above	2	210 x 120	3.3	3 aluminium, unequal length	5/9	1	●●●●	●●●	●●	●●●	●●●	●●●●	\$420
Hailmark New Zealand													
Crystals Tapered tunnel	2	230 x 130	3.2	3 aluminium, unequal length	4/14	1	●●	●●	●●	●●	●●●	●●●●	\$300
Habitat Dome	2-3	250 x 200	6.5	4 aluminium, equal length	6/11	1	●●	●●●●	●●	●●●●	●●●●	●●●●	\$480
Snow Cave Tapered tunnel	2	230 x 180	3.8	3 aluminium, unequal length	12/18	2	●●	●●●●	●●	●●●●	●●●●	●●●●	\$400
Jansport Korea													
Meridian Dome	2	220 x 140	3.4	3 aluminium, equal length	6/9	2	●●●	●●●	●●●●	●●●	●●●●	●●●	\$440
Mountain Dome As above	2	210 x 150	3.0	3 aluminium, unequal length	2/8	2	●●●●	●●●	●●●●	●●●●	●●●●	●●●	\$385
Yellowstone As above	2	240 x 195	3.1	4 aluminium, unequal length	6/6	0	●●●	●●●	●●●	●●●	●●●	●●●	\$400
Yosemite As above	2	As above	3.3	3 aluminium, equal length	6/10	0	●●	●●●●	●●●	●●●●	●●●●	●●●	\$425
Lowa United Kingdom													
Alaska Dome	2	210 x 150	3.4	3 aluminium, unequal length	5/20	2	●	●●●	●●	●●●●	●●●●	●●●	\$500
Super Diamond As above	2-3	250 x 210	5.2	5 aluminium, unequal length	8/12	2	●	●●●	●●	●●●●	●●●●	●●●●	\$595
Macpac Wilderness Equipment New Zealand													
New Horizon Dome	2-3	250 x 210	4.3	4 aluminium, equal length	6/8	1 optional	●●	●●●	●●	●●●●	●●●●	●●●●	\$620
Olympus Tapered tunnel	2	220 x 120	3.2	3 aluminium, unequal length	4/16	1	●●	●●●	●●	●●●●	●●●●	●●●●	\$485
North Face USA													
VE 24 Dome	2-3	250 x 210	3.9	4 aluminium, equal length	6/8	0	●	●●●	●●	●●●●	●●●●	●●●●	\$640
VE 25 As above	2-3	As above	4.0	5 aluminium, unequal length	8/10	1	●	●●●	●●	●●●●	●●●●	●●●●	\$695
Westwind Tapered tunnel	2	245 x 150	2.4	3 aluminium, unequal length	4/8	1	●	●●	●●	●●	●●●	●●●●	\$595
Safawa Korea													
Sierra Dome	2	210 x 150	3.4	3 aluminium, unequal length	6/14	2	●●●●	●●●	●●	●●●●	●●●●	●●●	\$385
Wild Country United Kingdom													
Voyager Dome	2	208 x 127	2.6	3 aluminium, unequal length	4/10	1	●	●	●●	●●●	●●●●	●●●●	\$550
Outstar As above	2	213 x 127	3.6	4 aluminium, unequal length	4/14	2	●	●●	●●	●●●●	●●●●	●●●●	\$600

THE EVOLUTION OF THE REVOLUTION

In the beginning was **BIONIC** – then came the revolution – and the birth of **TRIONIC**! This range of footwear from **SCARPA** of Italy incorporated the light weight nylon midsole from the original **BIONIC** construction and added an exclusive new sole. The **TRIONIC** sole is still the only sole which can provide both weather protection for the boot, through the addition of the integral Yeti Gaiter, AND excellent traction on descent via the Safety Grip Heel.

With the introduction, in 1985 of three midsoles with varying flex characteristics (**Comfort**, **Performance and Pro**) the **TRIONIC** range is now designed to cater for the requirements

of all walkers from the casual participant to the serious adventurer. Add to this the fact that the whole range features leather uppers which have undergone the **HS12** tanning process to provide increased water resistance and a faster drying time.

A total combination which is dedicated to giving you the best possible performance utilising the most up to date materials and technology.

Featured is the **TRIONIC SL** with **Comfort Flex**, available in Standard and wide fittings. Probably the most sought after walking boot in Australia.



Details of the complete range of footwear
for 1985/86 are available from:



34, Dean St, Newcastle upon Tyne, NE1 1PG, England. Tel: (0632) 323561. Telex: 537728 Bghaus G

Comfort Flex

Available from the following leading specialist shops throughout Australia

EXCLUSIVE BERGHAUS STOCKISTS. BRISBANE: Scout Outdoor Centre, Jim the Backpacker. SYDNEY: Paddy Pallin, Paddy Mail Order, Norski, Southern Cross. KATOOMBA: Paddy Pallin. CANBERRA: Paddy Pallin. JINDABYNE: Paddy Pallin. MELBOURNE: Paddy Pallin, Eastern Mountain Centre, Scout Outdoor Centre. LAUNCESTON: Paddy Pallin. HOBART: Outdoor Equipment, Paddy Pallin. ADELAIDE: Thor/Paddy Pallin Adventure Equipment, Scout Outdoor Centre. PERTH: Paddy Pallin, Scout Shop, Boots Camping. ALSO AVAILABLE from most Intertrek stores.

Lake Pedder

A tour de force

Reviews



Lake Pedder compiled by Bob Brown (Wilderness Society, 1985, RRP \$120).

This book is as distressing as it is inspiring. It is a definitive and unique record of a beautiful place, as well as an alarming and haunting account of its destruction.

Those who dismiss environmental sensitivity as emotional instability accuse conservationists of being soft-headed, indulgent and pathologically sentimental. Conservationists, finding themselves in a materialistic forum, respond by increasing their efforts to compile rational arguments to contribute to the environmental debate. Let us not be intimidated by the misplaced masculine wisdom and paternalism of the dam builders and investors. Even in economic terms, the scheme which consumed Lake Pedder has been a dreadful mistake.

Our emotional response to landscape, a sense of place, is a universal and cherished experience. It is while at places like Lake Pedder

that we identify most lucidly with Moses' account of our creation; that we were 'formed from the dust of the ground'. Conservation is an unashamedly emotional issue.

Lake Pedder made a perfect gift for my parents, who visited Lake Pedder during their honeymoon, in 1955. It is with tearful regret that I can only visit this place by turning the pages of this superb book and listening to my mother and father reminisce.

The book's concluding image is a small, funereal, black-and-white photograph. Tree-clad dunes languish shortly before being completely inundated 'beneath the tide of insensitivity which still curses human affairs'.

Michael Collie

Paddy Pallin's Bushwalking and Camping by Tim Lamble (Paddy Pallin, 1985, RRP \$11.95).

Bushwalking, like many other recreations, has its personalities. Paddy Pallin is such a

Lake Pedder, Tasmania. Photo by David Neilson, reproduced from Lake Pedder.

personality, his name being on a chain of gear shops across Australia.

Paddy has written the preface to the eleventh edition of his book, but this time has left it to someone with 'the modern touch' to write the book itself. Tim Lamble is already known for his map *Mt Jagungal and the Snowy Mountains*, and his latest venture shines with practical experience. But there are limits to anyone's experience, and this leads to the occasional bias, such as the assertion that 'walled tents are the most practical design for the Australian bush'. In discussion of the boots versus sand-shoes controversy I would have added some more serious criticisms of sand-shoes from my own experience. The omission of the Mt Howitt and Howitt Plains area in Victoria from the suggested ski touring areas is unfortunate.

These quibbles aside, there is a wealth of



Aaagh!!

At last... relief from Athletes Foot

Burning...itching...scratching — it's certainly no fun when you've got Athletes Foot.

For speedy relief ...**Enzactin**.

Enzactin is especially formulated to provide rapid relief from Athletes Foot and help prevent reinfection.

If Athletes Foot means "Aaaagh!!"... buy some **Enzactin** ... It's available in a cream, a powder and a spray.

Available from your Chemist.

Enzactin — comes between you and Athletes Foot.

Enzactin

Ayerst Laboratories Pty. Ltd.,
Gregory Place, Parramatta, NSW 2150
PM 8227/84



information and advice here. This extends from an analysis of different types of gear, conservation issues, appropriate menus for walks, and navigation techniques. Tim Lumble has supported his text with diagrams, photographs and fine illustrations.

Brian Walters

Wild Herbs of Australia and New Zealand by Tim Low (Angus & Robertson, 1985, RRP \$14.95).

Have you a garden overcome with weeds? Do you hold barbecues on the front lawn out of embarrassment for the back yard? Blush no longer, you have been assiduously, if unconsciously, cultivating a herb garden. Docks and plantains, thistles and lantana are all perfectly edible, even delectable, pot herbs. In fact, nearly all the herbs discussed in this well-written and well-informed book are weeds, mostly introduced from Europe or America, many with a lengthy herbal pedigree that has been lost during migration.

Expecting the mystic quackery one gets from too many herb books, I was pleased to read an author who distinguishes the science of herbalism from its religion, although dealing with both the medical and culinary properties of what is usually compost fodder. It is sad, however, that so few native wild herbs are included. The Australian flora is so rich in aromatic oils that there must surely be flavours untapped by ancient herbalists. Sad, too, that only those herbs useful to mankind are mentioned. I am sure many people would gladly use this book to supplement their diet. I certainly shall. My next visitors will be eating pigweed pancakes and nightshade mousse.

Stephen Garnett

Wildlife of Australia by Vincent Serventy (Sun Papermac, 1985, RRP \$17.95).

As a child I used to be absorbed by the magazine *Wildlife in Australia*, edited throughout its early years by Vincent Serventy. This book took me back to those early issues. Every one contained some fascinating account of Australian natural history by the editor, who combined his own observations with the research of the day: good source-material for school projects. Even the photographs, for those days, were pretty good.

Unfortunately the style has aged. The same black-and-white photographs, reproduced up to 20 years later and often slightly out of focus, do not stand up to comparison with those available now. Similarly, research has gone a long way in the intervening years. In some areas Serventy has kept up, but inevitably, given the increasing amount of information available, he is out of date in others. This encyclopaedic account of Australian animals, from mammals to protozoa, is still good source material; few have as broad a knowledge as Serventy, but probably this book should have been published ten years ago.

SG

Bush Journeys by Bill Molyneux (Nelson, 1985, RRP \$16.95).

Most places in Australia have been visited by Bill Molyneux. This is a collection of 30 of his travellers' tales, the Australian bush through the eyes of a plantsman. Some are delightful. His enjoyment of the bush and perceptive

appreciation of individual plants gives a new perspective to familiar places, and makes new places enticing. However, too often one is being told about Molyneux's obvious but self-conscious skills as a bushman, or about the failings of others who exploit the bush, for his appreciation to be evident. Only when he becomes incidental to the landscape he describes can other people travel with him.

The front cover of the book exemplifies its contents. A lovely flock of flowering grass trees is marred by an inset of the author and his Land Rover. The photographs inside are particularly high quality, but the drawings suffer the fate of the cover. Appealing sketches of plants and landscapes are often spoilt by stiff, almost naive, self-portraits. It is rather like finding someone at a favourite private campsite; however pleasant they may be, you wish they were somewhere else. But he does have an interesting perspective. Bush is much less anonymous when explored with an eye to individual plants.

SG

The Boy and the Whale text by Katherine Scholes, illustrations by David Wong (Viking Kestrel, 1985, RRP \$9.95).

Anyone, child or adult, who empathises with animals in distress will delight in the author's sentiments expressed through the reactions of a young boy, Sam, when he finds a pygmy sperm whale stranded on a lonely beach. Not unlike the highly acclaimed *Storm Boy* by Colin Thiele, this compelling story, written for children between seven and twelve years of age, has a

strong message against cruelty to animals which would reach the hearts of even the most callous.

Katherine Scholes's beautiful imagery is enhanced by artist David Wong's inspiring black-and-white drawings which are aesthetically and regularly placed throughout the 47-page text. The author's note at the beginning not only provides useful background information, but also adds credence to the story.

This is certainly a book which deserves a place in every animal lover's heart and bookshelf.

Sue Baxter

Animals in the Wild series by Vincent Serventy and Mary Hoffman (Ferguson, and Windward/Belitha, 1983-85, RRP \$3.50 each).

The series comprises 18 soft-bound titles. Written for young readers, they show each animal in its natural habitat and describe its struggle for survival. The titles by Vincent Serventy include more Australian animals than the others.

The strength of the series lies in the outstanding colour photography which almost fills each page but leaves room for only a small amount of text. The text is, however, often inconsiderate to the young reader. It is usually too brief and jumps from one idea to another in an obvious effort to work in with the photographs. This lack of continuity often leads to ambiguities and makes it difficult for young readers to process the information. Mary Hoffman's titles *Panda* and *Tiger* are more considerably written in this respect.



An ounce of prevention.

SILVA TYPE 27

Amazingly versatile ultralight compass. Sighting mirror for accurate bearings (and signalling or shaving). Liquid-filled capsule (tested from -40° to +50°C) rotates for Silva System navigating. Swedish steel needle on sapphire bearing settles in 4 seconds. Luminous points help find your way in the dark. And there's even a sun watch! This handy instrument packs anywhere, hangs on lanyard (included) or pins on shirt. It's the one compass everyone should carry!

Silva

brings you back!

Read this, or get lost.



FREE BROCHURE
 - send self addressed stamped envelope to -
Silva Compass
 44 Alexandra Pde.,
 Clifton Hill,
 Melbourne 3068

THE BEST KEPT SECRET ON EVEREST

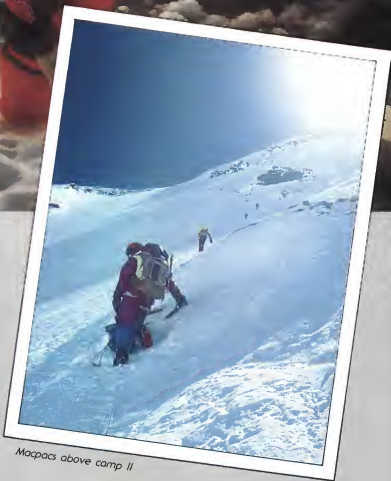
You probably won't read our name in the headlines, but the 1984 Australian Everest Expedition relied on Macpac lightweight rucksacs. And we think that fact speaks for itself.



Greg Mortimer on the summit of Everest

"For the summit bid, we needed specialised, lightweight alpine rucksacs. Macpacs were the obvious choice because of their reputation and proven performance in the toughest conditions. And as we expected, they were excellent! Thanks Macpac, for you it's another successful Himalayan expedition, and we've climbed Everest!"

Greg Mortimer



Macpacs above camp II



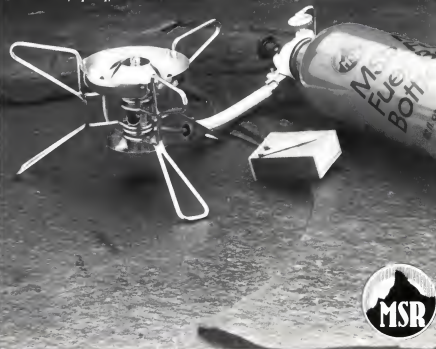
**Macpac Wilderness
Equipment**

QUEENSLAND AITKENVALE, Adventure Camping Equipment/FORTITUDE VALLEY, Scout Outdoor Centre/SHERWOOD, Torre Mountain Croft/NEW SOUTH WALES ALBURY, The Outdoor Experience/AUBURN, Paddy Pollin/EASTWOOD, Eastwood Camping Centre/SYDNEY, Mountain Equipment, Nooki/THE JUNCTION, Bush Escape/VOLLONGONG, Wollongong Bushcraft/ACT DICKSON, Wild Country/VICTORIA BALLARAT, Outdoor Gear/BOX HILL, Wilderness Shop/MELBOURNE, Bush & Mountain, Paddy Pollin/MOORABBIN, Scout Outdoor Centre/TASMANIA BURNIE, Youngs Outdoor Gear/HOBART, Scout Outdoor Centre, Jolly Swagman/LAUNCESTON, Allgoods/SOUTH AUSTRALIA, ADELAIDE, Scout Outdoor Centre, Thor/WESTERN AUSTRALIA, FREMANTLE, Wild West Adventures/PERTH, Big Country, Scout Outdoor Centre.

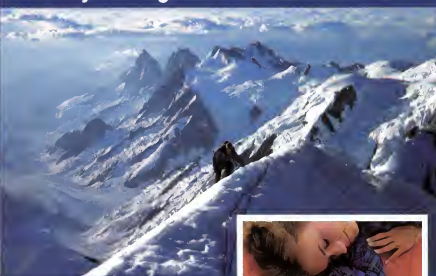
WHISPERHOT!

The MSR WhisperLite is hot! It can boil a litre of water in well under

four minutes. ▶ The WhisperLite is quiet and efficient. The innovative, ported burner can unleash a 'Krakatoa blast' or can be tamed to simmer and, with windshield, performs even in adverse conditions. ▶ The WhisperLite is light and compact! This stove folds to fit inside your cook set. ▶ The WhisperLite is easy and safe to operate. The unique MSR stove pump is stored, inserted, in a one litre fuel bottle, eliminating dangerous fuel handling. ▶ The WhisperLite is a reliable and durable stove with a distinguished expedition heritage. ▶ Available from all good outdoor shops. Sole Australian distributor: DB Biggs Pty Ltd, 153 Sussex Street, Sydney, NSW 2000.



Make your nights softer and warmer...



Just open the valve for self-inflating, luxurious comfort. On rough ground or snow.

Therm-a-Rest® has twice the insulation and is more compact than closed-cell foam pads. Yet it weighs no more.

For more information and the retailers near you, write to Grant Minervini Agencies Pty Ltd, PO Box 209 Welland South Australia 5007, phone (08) 46 6061

...with a Therm-a-Rest® mattress

Reviews

At best, the series may help to make children aware of the desperate need to conserve the wild animals of the world, but even this need is somewhat understated.

SB

Lightweight Expeditions to the Great Ranges edited by Charles Clarke and Audrey Salkeld (Alpine Club, 1984, 5.50 pounds, plus postage, from 74 South Audley Street, London W1Y 5FF, UK).

Sub-titled 'Proceedings of a symposium for mountaineers and expedition organizers sponsored by the Alpine Club', this little book comprises papers delivered by 11 well-known British mountaineers at a public 'think tank' arranged in the wake of the spate of recent British deaths in the Himalayas.

Certainly, *Lightweight Expeditions* contains some advice for those planning lightweight mountaineering expeditions, but its value is seriously diminished by its brevity and superficiality. And, in many places, the little there is would have benefited from vigorous use of the editorial pruning saw to rid it of excessive waffle.

Chris Baxter

Without Thought for Food or Clothing by A Christian (Christians, 1985, RRP \$2.95).

This small book is the diary of a walk by a group of young Christians from Port Augusta in South Australia to Norseman in Western Australia that received some publicity last May and June. Several people predicted tragedy for this walk across the Nullarbor Plain by people without food, water or money. However, the 1,650 kilometre walk was completed safely.

People go walking for many different reasons, and it is interesting to reflect that 'wilderness' meant something very different to these people to its current popular connotation. A walk of this magnitude is a major undertaking, and it is remarkable that it was completed in only 55 days by these six people, aged from 12 to 22.

There is no doubt that they received help from many unexpected quarters, but I hope their success does not lead to too much of the self-righteousness that is evident in the book, although happily absent from most of the diary entries.

BW

The Walker 1986 (Melbourne Walking Club, RRP \$3.00).

It was with a sense of disappointment that I read *The Walker* this year. Several articles celebrate the 150th anniversary of Major Mitchell's expedition of 1836. There are track notes covering areas explored by Major Mitchell which look good. However, there is a good deal of padding concerning Major Mitchell's journey, much of it more relevant to someone keen to go driving for the week-end rather than walking. I hope *The Walker* is not showing its age!

What amazes me is that in a magazine published by a walking club there is a feature article, 'How the Greenies Are Getting It All Wrong'. This article fails to display an awareness of the issues of conservation in Australia today and stereotypes the attitudes of conservationists. The sweeping generalizations, unsupported by any evidence, are breathtaking. For example, the author argues that 'your average greenie' does more about wood-

Escape into the Wilderness with Scout Outdoor Centres

Specialist Gear and Advice for —

- * Bushwalking & Trekking
- * Lightweight Travel
- * Cycle Touring
- * Climbing
- * Ski Touring

Write or call in for our new
16 page catalogue.



MELBOURNE
907 Collins St. 41 077
MORRABBIN
880 Research Ave. 995 7407
MITCHAM
20 Church St. 875 6007

RAIBO
7348-740 St. 1054 43 8226
GEELONG
33 Waverley St. 1050 43 0558
PO Box 1000, 3121 Geelong, Vic. 3208



VISA



Mountaincraft Torre

Where quality and
service are more
than just words.



If you're really
serious about custom
down and synthetic sleeping
bags, packs, tents, cookware,
clothing, boots and climbing
hardware — in fact,
all your specialist
needs... there's no
compromising.

(mail order or direct)

10/600 Sherwood Road, Sherwood Qld 4075 Ph (07) 379 5549. AH (07) 271 1926

ROCKCLIMBING

ABSEILING

Whether you are venturing into these activities for the first time or wanting to improve your existing skills, you deserve a good, qualified teacher. Your fulfilment is my primary aim; and success is made likely by 20 years' experience of professional instruction, backed by friendly informality.

Courses for individuals are held very frequently in Victoria's premier areas of the Grampians and Mt. Arapiles.

Private guiding by arrangement. School and other groups welcome.

Also

Bushwalks, Treks and Camps in the Grampians for parties of at least 6 people.

All year round. Moderate charges. Brochure available from:

**BASE CAMP &
BEYOND...**

Masbury PO Box 37 Halls Gap 3381. (053) 56 4300
Director, David Witham

OUTSPORTS

Gear, tours and hire.



For all your
bushwalking and
canoeing needs, see
OUTSPORTS for
quality gear and
sound advice.



340B Hawthorn Rd.,
Caulfield, 3162.
Ph (03) 523 5727.

Reviews

chipping than cattle-grazing, whereas cattle-grazing does more damage than woodchipping. This sort of pointless nonsense is not worthy of *The Walker*.

Perhaps next year's issue will be more in tune with the walking public.

BW

Watersheds of the King, Howqua and Jamieson Rivers by Stuart Brooks (Victorian Mountain Tramping Club, 1985 edition, RRP \$5.00).

This classic walkers' map (first produced in 1948 at a scale of an inch to a mile, 1:63,360) has been redrawn at a scale of 1:50,000 with 100 metre contours. Because of the increased scale and coverage, this map is now printed, with a small overlap, on both sides of a single sheet.

All water courses appear in blue, reserve and National Park boundaries in red, and all other detail and type in black.

Sadly, this revised edition includes new roads, numerous recent logging sites and a proposed ski village site. It is a unique source of reliable and intimately detailed information about one of Victoria's best bushwalking areas.

MC

Bogong (Victoria Conservation Trust, 1985, RRP \$6.95).

The fourth and last sheet in the series *Bogong High Plains Vegetation Map and Guide to Alpine Flora*, *Bogong* maintains the high standards of design and production established by the series. *Bogong* covers the area between Michell Hut, on Mt Bogong, and Spion Kopie (northern and southern extremities), and Mt Arthur and Battys Hut (western and eastern edges). The scale is 1:15,000 and the contour interval ten metres. Alpine vegetation communities are mapped in detail according to a nine-part colour scheme. Other features of particular interest to walkers, such as huts and tracks, are shown.

The map (measuring about 58 x 84 centimetres) is backed by a collection of Colin Totterdell's superb photos of alpine flora. It is printed on water-resistant plastic paper and is sold in a clip-seal plastic bag. It can therefore be used in the field to add a new dimension to the walking experience. This map-poster is worth every cent of the price.

A reprint of the *Rocky Valley* sheet in this series is now available. It has been amended to include Spion Kopie, and thus ties in with the *Bogong* sheet; the ten metre contour interval has been adopted (it was originally twenty metres). Printed on water-resistant paper, it is priced at \$6.95.

Sandra Bardwell

Lake Pedder poster by Wilf Elvey (Wilderness Society, 1985, RRP \$7.50).

This photograph of Lake Pedder by Wilf Elvey is a highlight of the book, *Lake Pedder*, in which it is presented as a fold-out spread. Framed by a carefully chosen, complementary mauve border, it is even more impressive as a poster.

Measuring 50 x 100 centimetres, this poster is available from Wilderness Society shops.

MC

Publications for possible review are welcome. Send them to the Editor, *Wild*, PO Box 415, Prahran, Victoria 3181.

Laser System

SIMPLICITY IN ADJUSTABILITY

Laser is a new and remarkable step forward in Rucsac Technology. A step that will turn conventional thinking about adjustable rucsacs upside down. It is the result of a programme to bring together the most advanced technical developments we have made in rucsac technology into a system that is both easy to understand and to operate.

Designed with fixed shoulder straps to give optimum carrying comfort and load sharing over the shoulders, the Laser System is fully adjustable by means of a hip belt unit that can freely track up or down the Laser's HE30TF Aluminium frame. Adjustments can be made with the pack on or off the back. Simply flick open the two specially designed buckles, moulded into the hip belt assembly and the hip belt can slide freely into the required position. Flick the buckles closed and it's locked!

Laser is also packed with the sort of features and developments that have become associated with the Berghaus name, plus a number of other new innovations. There really are so many aspects to Laser that we cannot list them all here, so if you wish to know more about the technical aspects of this remarkable new system, we suggest you contact your Berghaus stockist for a full technical briefing.

Laser - turning adjustable rucsac technology upside down.

Write now for your free colour brochure and details of your nearest Berghaus stockist to:

Outdoor Agencies Pty. Ltd.,

PO Box 175,

Redfern, NSW 2016,

AUSTRALIA.



BERGHAUS LTD., 34 Ouse Street, Newcastle upon Tyne, NE1 1FG,
England. Telephone (091) 252346. Telex: 537728 Rghaus G.

Curry in a Hurry

A culinary can-can

● **Curry in a Hurry.** Hotcan self-heating meals are not the catering solution for your next two-week walk. But for short trips in inhospitable weather, or when weight is not a serious consideration, the convenience of Hotcan meals may be appealing. Each Hotcan weighs about a kilogram. The meal accounts for half this weight and is surrounded by a cavity. Puncturing a water capsule inside this jacket, with a tool provided, starts a chemical reaction which heats the meal in about ten minutes. No stove is required.

Curried vegetables with fruit compared very favourably with other packaged meals we have eaten, scoring a 'thumbs up' during a Wild staff lunch break. Some, however, found it too sweet. Other meals are available, including chicken or beef casserole with vegetables and gravy, and Irish stew.

A used Hotcan must, of course, be carried to an appropriate place of disposal, yet cannot be easily compacted.

Hotcan self-heating meals are available from Scout shops and cost about \$6.00 each.

● **Gyrating Hips.** On most packs that adjust to fit different back or torso lengths, the distance between the shoulder straps and hip-belt is varied by raising or lowering the shoulder harness. The new Berghaus Laser rucksacks have fixed shoulder straps and a moveable hip-belt. The Laser shoulder harness is permanently sewn to the rucksack. Regardless of the back length, the shoulder and top tension-straps remain in an optimum position. The hip-belt slides up and down parallel aluminium staves which can be bent to conform to the shape of your back. Clamps behind the hip-belt secure its position.

The Laser range includes packs with 55 to 80 litre capacities, external pockets and double compartments with zip access to the bottom one. Prices range from \$200 to \$289.

Laser L (luxury back) models are made from 12 ounce Cordura and have a triple-density foam-padded hip-belt and the familiar Berghaus dimple ('occipital cavity') for uninhibited head movement.

● **Cross Country Comfort.** Good skis are a waste of money without good boots. That first pair of good quality boots is usually a revelation and turning point for most skiers. In your quest for 'co-operative, if not perfect, cross country skiing boots, make sure you examine the elusive Merrell range, imported by Nordic Traders.

The XCD Lace has a one-piece, full-grain leather upper with tongue gusset, double-stitched to contoured polyurethane and rubber mid-soles, and Vibram XCD soles. Similar to the Asolo Snowfield, this boot promises durability and torsional rigidity with a touring flex. The Merrell XCD Lace costs about \$160 a pair. The XCD Velcro has four independently adjustable



Berghaus Laser 80 BC rucksack and the Laser adjustable harness.

Velcro straps instead of laces, and costs just under \$200 a pair.

The Touring Leather model (about \$125) has a solid high-cut leather upper and a nylon insole that is specifically moulded for each boot size. The graduated thickness of the nylon insole and the design of the Skywalk sole lugs encourage the boot to flex at the ball of the foot while contributing to the boot's torsional rigidity. Sharing the moulded nylon insoles, the Country Touring has a lighter, high-cut leather upper and costs just under \$100 a pair.

The Rainier, a high-cut touring boot with Thinsulate insulation and a dual-density foam foot-bed, costs about \$75 a pair. The Westwind, a low-cut recreation boot, costs about \$45 a pair.

Two Merrell models will be available with SNS (Salomon Nordic System) touring soles. The SNS Classic has a leather upper, high foam collar and costs less than \$70 a pair. The SNS Gore-Tex has a high-cut suede and nylon upper, waterproof Gore-Tex sock, insulating lining and costs about \$110 a pair.

Equipment

● **Karrimor Kindness.** Because your waterproof, vapour-permeable jacket probably cost more than your rucksack, rucksack manufacturers are beginning to consider the abrasive nature of buckles and hard textiles used to make rucksacks.

From late last year Karrimor began to relocate harness buckles so that they do not contact garments. Other manufacturers have also done this to improve comfort. Karrimor Panther, Jaguar and Condor packs will also have soft polyester/cotton-lined back pads, hip-belts and shoulder harnesses.

● **Lightweight Illumination.** The oil-burning UltraLight lantern has an appealing simplicity and weighs only 227 grams. Three stainless steel legs spring out to form a stable tripod when the Pyrex chimney is raised to shelter the adjustable flame. The UltraLight is locked in its compacted state (64 x 102 millimetres) by a screw cap which also seals the wick when not in use. The lamp is claimed to be leak-proof, and to burn for about 20 hours before requiring refilling. The UltraLight is available from Mountain Designs shops for about \$54.

Similar to the UltraLight lamp, the oil-burning Camp Oil lamp insert is also available to replace the candle in your candle lantern.

● **Can't Stand It?** Camera tripods are useful for improving sharpness by reducing camera shake, and enable the photographer with a self-timer-equipped camera to appear in his own photograph. While many walkers and climbers



Camp Photomatic Ski, left, Outdoor and Mountain camera mounts.

feel naked without a camera, few are prepared to carry a good tripod. Increasing numbers of aids to improvisation are available.

Very small tripods from Ricoh and Camp are among the more straightforward alternatives. The Ricoh Mini Tripod (\$34) folds into a slim 135 millimetre long package. A camera attaches to its tilting head with a thumb screw. The Camp Outdoor Photomatic mini tripod (\$40) has an articulated ball-and-socket head which screws directly into the camera base, and a Velcro-fastened strap for gripping tree branches and poles.

One end of the Camp Ski Photomatic sketch (\$13) screws into the camera base while the



LIFA SUPER UNDERWEAR

If it's thermal underwear you want, it's Helly-Hansen **LIFA SUPER** you need.

Helly-Hansen **LIFA SUPER** underwear is thin, light and stretches to form-fit your body. Worn skin tight, **LIFA SUPER** traps a layer of still air around your body, maintaining a warm barrier between your body and the environment. You lose less body heat.

LIFA SUPER is made from polypropylene which doesn't absorb or retain moisture. Perspiration passes through **LIFA SUPER** underwear to be absorbed by the next garment. **LIFA SUPER** stays dry, maintaining its insulating properties and leaves the skin dry and free from the irritation and discomfort of having a damp garment clinging to the skin.

If you work, travel, walk, ski, climb, paddle, sail, dance, run, cycle, windsurf or sleep... start with **LIFA SUPER** then decide what else you'll need to wear.

Helly-Hansen **LIFA SUPER** works.
Ask anyone who wears it.



090, 066, 008, 005, 025, 026, 000, 036, 032, 061

Available from all good outdoor shops



OUTDOOR SERIES MILITARY SERIES BINOCULARS

THE CHOICE OF PROFESSIONALS

COMMANDER 7 x 50 WITH COMPASS

Military Series



SCOUT 7 x 35 WITH COMPASS



Outdoor Series



8 x 30
EGA
Outdoor Series

The next time you plan a trip to the great outdoors take along a pair of **STEINER BINOCULARS**. The highest quality optics, rugged rubber armouring, tough internal construction, reliability and penetrating light power make **STEINER** the choice of professional adventurers worldwide. All **STEINER BINOCULARS** incorporate **STEINER'S** unique "once only" focus system and the "Porro Prism" design gives you the best in 3 dimensional viewing. Available in sizes 6 x 30, 8 x 30, 7 x 50, 10 x 50 and 15 x 80 (15 x 80 also available with integrated compass). **FOR FULL COLOUR BROCHURES & PRICES CONTACT YOUR NEAREST AUTHORISED STEINER DEALER.**

ACT - Capital Color 062/47 4030, Downtown Duty Free 062/47 4234, NSW - Charl Room 02/922 3378, Binocular and Telescope Shop 02/223 3191, Waves Over Seas 02/817 1309, Downtown Duty Free 02/232 2596, NT - Belts Camera House 08/81 5769, 02/232 2596, QLD - Audio Optics 07/221 6398, Sportsmans Warehouse 07/538 8077, Downtown Duty Free 07/229 9749, TAS - Watch Optics 002/23 4962, VIC - Anchor Miro 03/598 8077, Downtown Duty Free 03/63 3256, WA - Precision Optics 08/982 2559, Centenary Duty Free 09/322 7844, Downtown Duty Free 08/525 3651

STEINER - OFFICIAL SUPPLIER TO THE MILITARY & POLICE IN OVER 40 COUNTRIES.

TREKS SAFARIS EXPEDITIONS



AFRICA



ASIA



SOUTH AMERICA

THE ADVENTURE BEGINS HERE!

Each E.O. project is a group of people setting off to encounter first-hand a region of the world, large or small, where the encroachment of our technological society is still held at bay. For this journey to be fun and of value, it should be sensibly organised: not an attempt to insulate against adventure - far from it - but a properly prepared expedition in search of the remote, the interesting, the beautiful, the mysterious and the challenging.

ENCOUNTER OVERLAND

10th Floor, 66 King St., Sydney, N.S.W. 2000

NEW 1986/87 BROCHURE NOW AVAILABLE

Your travel agent will have our brochure or contact Sundowners in your state.

Sydney (02) 291511

Melbourne (03) 621263 Perth (09) 3212335

Brisbane (07) 2218825 Adelaide (08) 2231243

SEW THEM YOURSELF AND SAVE



Rain Parka and
Overpants
Splash Jackets
Pile Jackets
Breeches
Gaiters
Water Bag
Bum Bag
Day Pack

Sizes from 2 years to adult
Write for information to
OUTDOOR WEAR
PO Box 783, Cooma, 2630

NEW!

Bushwalking, Trekking,
Cross Country Skiing

shop at 68 Whitehorse Road,
Deepondene 3103 (03) 817 4683



Easy Parking • Sharp Prices



Zamberlan
Lightweight Boots
for Total Comfort,
Total Performance

Equipment

other grips a ski stock tip. Attached to the camera base with a thumb screw, the *Camp Mountain Photomatic clamp* (\$15) is designed to grip an ice axe pick.

• **Pretty Pictures.** The new *Fuji HDM* (Heavy-Duty Motor drive) 35 millimetre camera will be of interest to walkers, skiers and canoeists. The HDM has an automatic light meter, power wind-on and rewind, built-in flash, self timer and manually focused 38 mm integral lens. This all-weather camera is waterproof to a depth of two metres.

The HDM is characterized by a rugged appearance and a 55 mm diameter window protecting the lens, viewfinder and light meter. With two penlight batteries it weighs 515 grams. Compact dimensions (140 mm long x 72 mm high x 62 mm deep) make it pocket size. The *Fuji HDM* costs about \$299.

A survey of lightweight cameras was published in *Wild* no 11.

• **Hi-fibre.** Ironically, Du Pont's 'high tech' Dacron Quallofil insulating fibre makes its Australian debut, as a sleeping bag fill, in the *K-Mart Jackaroo sleeping bags* which are made in Melbourne.

With four central tunnels, each Quallofil fibre has a larger surface area and greater resilience



Jackaroo West Ridge, left, and East Face sleeping bags.

than simple tubular insulating fibres such as Du Pont's Dacron Hollofil.

The rectangular *Jackaroo West Ridge* has a two-way full-length zip and a draught collar, and costs about \$140. The mummy style *Jackaroo East Face* costs about \$160.

• **Latest Whisper.** The American *MSR WhisperLite* and classic *X-GK* stoves should be more readily available following the appointment of an Australian distributor, *DB Biggs* (importers of Helly Hansen clothing and an array of Norwegian ski equipment).

Post-Oz-dollar-plunge prices are about \$90 for the *WhisperLite* and \$170 for the *X-GK*.

• **Survival Bag Recall.** The Australian distributor has requested that *Ascon-Kemi Survival Bags* be returned to the shop where they were purchased. A packaging fault has resulted in some deterioration of the survival bags.

New products (on loan to Wild), and/or information about them, including colour slides, are welcomed for possible review in this department. Written items should be typed, include recommended retail prices, and preferably not exceed 200 words. Send items to the Editor, Wild, PO Box 415, Prahran, Victoria 3181



WILDLIFE ENCOUNTERS

Encounter Australia's unique flora and fauna in spectacular locations with an experienced natural scientist.

- Wild caving
Nullarbor, Cave Range
- Sir Joseph Banks Islands
- Gammon Ranges
- Coorong wilderness
- Gawler Ranges
- Kangaroo Island

For details and brochures:
OSPREY WILDLIFE EXPEDITIONS
27B Strathalbyn Road, Aldgate
South Australia 5154 (08) 339 4899

Backcountry Skiers Want a Lift?

Club skiing in NZ is different.
Come over for —

- uncrowded slopes
 - friendly atmosphere
 - communal accommodation
 - spacious lunch hut
 - rope tows
 - ski-touring opportunities
- For ski week prices, booking forms and further information write to:

Broken River Ski Club,
P.O. Box 2718, Christchurch, NZ.

**SKI
BROKEN RIVER**

KAKADU

And lots more too. Get off the beaten track and explore one of the last great wilderness areas in the world. Rugged escarpment, aboriginal art sites, waterfalls galore, crystal clear pools just right for swimming and more.

ARE YOU REASONABLY FIT? If so and if you have some bushwalking experience, why not see a unique part of Australia that can be reached only on foot? Walks range from 2 days to 3 weeks.

For details of the 1986 programme, write:
Willis's Walkabouts 12 Carrington Street, Millner (Darwin) NT 5792 Prices are more than reasonable.

The Best Down Under

EQUALIZERTM

SELF-INFLATING FOAM MATTRESS

THE CAMPING MATTRESS HAS BEEN PERFECTED!

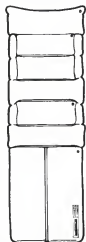
☐ **SELF-INFLATING.** The Equalizer Mattress is self-inflating. When you unroll it, the mattress takes in the air it needs. When you roll it back up again, the air is forced out.

☐ **INSULATING.** The Equalizer Mattress has six separate chambers. Three chambers are completely independent. Three chambers are interconnected to allow cushioning pressure and balancing support to actually adjust themselves to your needs. You get the cushioning depth you need. You get the sleeping comfort you want.

☐ **ENGINEERED TO FIT YOUR BODY.** The Equalizer Mattress is designed to be fully adjustable to fit the contour of your body. As you move, the shape of the mattress will change to fit you. When you recline on an ordinary flat



**THE
EQUALIZER**
Engineered to
fit your body



mattress, your body weight is concentrated in the areas of your hips and shoulders. The Equalizer Mattress reduces these points of pressure by distributing the weight to adjacent areas which are often not even in contact with a flat sleeping surface.

☐ **CREATED BY THE INVENTOR OF THE WATERBED.** The Equalizer Mattress was designed by Charles Hall, inventor of the waterbed, and designer Ted Jacobson. The result is a system combining multiple chambers into an anatomically-designed mattress that equalizes its support to maximize your comfort.

☐ **SPECIFICATIONS.** Each Equalizer Mattress is shipped complete with nylon stuff sack and patch kit.

Full-length: 72" x 22"

—wt. 2 lb. 9 oz. #3001.

¾-length: 54" x 22"

—wt. 1 lb. 11 oz. #3002.



The camping mattress that equalizes its support to maximize your comfort.

© 1984, Basic Designs, Inc.
U.S. AND FOREIGN PATENTS PENDING

Basic Designs Inc.,



sole Australian distributor

MONT
equipment Pty Ltd

PO Box 995 Queanbeyan
NSW 2620 Australia
Ph (062) 971645
PUBTLX AA62614

THREE PEAKS

The Bushwalker's Shop

Check our convenient hours:

Tuesday 10.30 am - 8.00 pm
 Wednesday 10.30 am - 8.00 pm
 Thursday 10.30 am - 9.00 pm
 Friday 10.30 am - 7.30 pm
 Saturday 9.00 am - 5.00 pm
 Sunday *Closed (we want to go walking too!)*

Discounted, quality packs, sleeping bags, tents, food, clothing, canyon gear and more . . . for the discerning walker.

Write, phone or call in for a copy of **GEAR NEWS**, our FREE catalogue.

49 Ramsay Street, Haberfield NSW 2045. Mail Order: GPO Box 4661 Sydney NSW 2001.

(02) 797 0233



C & C
CANOE & CAMPING
SUPPLIES

LARGEST RANGE OF
 CANOES & EQUIPMENT
 IN N.S.W. FOR
 COMPETITION & LEISURE

N.S.W. AGENTS
 • AZZALI • ASHLEY •
 PADDLES
 FULL RANGE
 COMPLETE CAMPING &
 BUSHWALKING STORE

RETAIL • HIRE • MAIL ORDER
 265 VICTORIA RD.
 GLADESVILLE, 2111 SYDNEY
 PHONE (02) 817 5590
 Hours: 9am-6pm Monday-Friday
 9am-7.30pm Thursday
 9am-4pm Saturday

Contributors

Tony Dicker describes himself as an addicted seeker of new and challenging experiences, and an impassioned observer and protector of all things natural.

Although much of his life is now spent behind a camera and typewriter, Tony is still heavily involved with his earlier loves, music and the



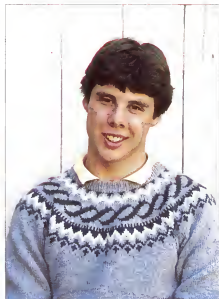
Tony Dicker

sea. He writes that the former has been a "golden thread" linking all 38 years of his life.

Tony undertook a history-making solo canoe journey round Tasmania and its Bass Strait islands from 1 November 1981 to 1 February 1982. As a result of that trip Tony is now a professional photographer and photo-journalist. He has recently been investigating the last positive sighting of a female Tasmanian tiger.

David Gorrie started bushwalking at an early age, when introduced to walking by his family. He spent numerous school holidays exploring Victoria's Grampians State Forest (as it was then), teaching himself the craft of bushwalking. Upon completion of his schooling, David spent three years working on a farm, then took up his current job as a journalist for a country newspaper. He has walked extensively in Victoria, and completed several walks in South Australia's Flinders Ranges, and Tasmania. David has been writing for outdoor and photographic magazines for two years, and hopes to further his career in photo-journalism while travelling extensively both in Australia and overseas.

David Tatnall has been photographing landscape with large format cameras since 1974. He has been inspired by the work of



David Gorrie

photographers Edward Weston, Paul Caponigro and Minor White.

David uses a hand-crafted cherry-wood 4 x 5 inch field camera. He prefers to work in black-and-white, producing fine prints. Consequently he takes only a small number of colour



David Tatnall

photographs. His photographs are hung in the collection of the National Gallery of Victoria and the Australian Heritage Commission Archives.

He has walked extensively in Victoria, Tasmania and southern New South Wales, carrying up to 11 kilograms of camera equipment. At present he is working on a major folio of the Bogong High Plains.

These notes describe writers and photographers whose first contribution to Wild appears in this issue. Brief notes at the conclusion of articles and features by contributors whose work has been previously published in Wild include reference to the issue in which it first appeared.

GORE-TEX FABRICS ON TOP

All-Weather Reliability and Breathable Comfort

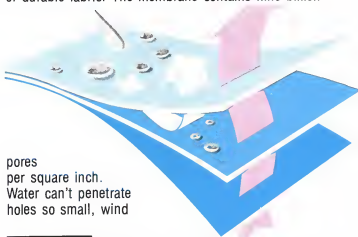
Waterproof, breathable Gore-Tex® fabric protects you from the elements. Unlike conventional coated fabrics which are hot and clammy to wear and tend to lose their



Greg Mortimer wearing a Gore-Tex® down suit on the summit of Mt Everest. Photo Tim Macartney-Snape

water resistance after repeated use, Gore-Tex® stays watertight and comfortable, year after year.

Demanding use in the field, including many Everest expeditions (such as the First Australian Mt Everest Expedition) have proved that Gore-Tex® fabric is made by permanently bonding a tough, flexible microporous PTFE membrane between layers of durable fabric. The membrane contains nine billion



pores
per square inch.
Water can't penetrate
holes so small, wind

can't blow through but perspiration can evaporate, keeping you dry, comfortable and safe.

Bushwalkers, climbers, skiers, runners and golfers around the world depend on Gore-Tex® fabric garments, hats, gloves, footwear, tents and bivvy bags: protection from the elements and lightweight breathable comfort.



The 1994/95 Australian Men's Alpine Ski Team wearing their Gore-Tex® uniform.

Tape-Sealed Seams

Seam sealing is critical to the performance of waterproof garments. Seams are permanently waterproofed and strengthened with hot-air-welded three-layer Gore-Tex® seam-sealing tape.

Easy to Care For

Gore-Tex® fabric requires no special laundering. A garment can be cleaned by standard machine washing using powder detergent.

3-Year Warranty

W L Gore and Associates offer a three-year warranty on Gore-Tex® fabrics used in garments bearing the Gore-Tex fabric warranty tag. You are assured of the best functional combination of weatherproof protection with breathable comfort, now with an unprecedented three-year warranty.



Creative Technologies Worldwide

Trade enquiries **W L Gore & Associates (Australia) Pty Ltd** PO Box 707 Brookvale NSW 2100 Telex 73355 Answerback code 02GORE
Telephone (02) 936 5755 *Gore-Tex is a trademark of W. L. GORE and Associates *Registered trade marks of W. L. Gore & Associates Inc.

**GORE-TEX
FABRICS**



83° NORTH

Arctic Expeditioners Wanted

The Australian Ellesmere Island Expedition (1988) is looking for people to form a team to explore the most northerly Canadian Arctic island.

The final nature of the expedition will depend on the interests of the participants. It will include a base camp as a centre for scientific study and exploration and/or an attempt at a 1,000 kilometre north-south traverse of the island on ski and foot.

Team members must be prepared to spend up to four months (May-August) in a very isolated polar region. Arctic or Antarctic experience would be an advantage.

Please send full details of experience to: John Dunn, PO Box 889, Atherton, Queensland 4883.

Macpac Phoenix

New light on Main Range epic

We read with interest John Gertsakis's article 'Entombed on the Main Range' in *Wild* no 18. During a skiing trip late in October 1984, while heading up towards Little Tynnam, we noticed some unusual objects on the snow. On closer inspection these objects turned out to be three flattened tents; obviously those abandoned by John and his party. The following information helps to complete the story told in the article.

The tents were lying on platforms raised slightly above the surrounding snow level. Unfortunately we must disappoint both John and Macpac as none of the Olympus tunnel tents was standing. The tents had numerous broken poles and, as a result of the melting snow, the pegs were useless. Foxes had been into the tents after the food; thus the abandoned equipment was scattered over a wide area.

As there was a strong possibility that the tents would blow away in the wind and sustain further damage, we repitched one of the Olympus tents. The tent was moved five metres to a position where it was clearly visible from all directions, especially from the air. All other loose gear, with the exception of food which was left separately in a garbage bag and buried under rocks, was put into this tent. We are sorry if Nola's jumper got put in the garbage bag as well. We then reported the find, its location, and the only name we could extract from the equipment, to a National Parks officer.

John's article more or less confirmed our assessment of the probable course of events. We can appreciate the situation the blizzard presented as we were camped on the Rams Head in the same blizzard, but with less serious consequences. Whilst leaving the area was the right decision, the episode should be taken as a warning against camping in exposed positions.

David Martin and Julia James
Newtown, NSW

Classic Mess

Considerable rubbish, mostly orange marking-tape, has been left in the bush near Ormeo after the Wildtrek Classic, for the third year in succession, despite written requests from me each year that the organizers collect it. This state of affairs has not been a good advertisement in our district for the 'bush fraternity from the city'. We have nothing against the event but feel that the organizers should ensure that its mess is cleared up.

Ian Stapleton
Mittagundi
Ormeo, Vic

Lake of Shame

In the *Wildfire* section of previous issues of *Wild* I read with interest the discussion between walkers and four-wheel-drivers over responsibility for the pollution of the bush. At that time I would have sided wholeheartedly with the walkers, having seen the amounts of rubbish apparently left behind by thoughtless four-wheel-drivers.

Wildfire

Unfortunately I have had to modify my prejudices. Last November, on a walk to Lake Tali Karnag, Victoria, I was absolutely disgusted by the amount of rubbish surrounding the lake. Large numbers of discarded Gaz cylinders, green garbage bags and empty bottles littered the shores and were even floating in the creek. Someone had tipped over the toilet and had apparently used it as a shelter, because there were pieces of foam mattress under the up-ended walls. There was even an abandoned sleeping bag hanging from a tree. As vehicles cannot reach the lake, obviously walkers were responsible for the mess . . .

What is the point of fighting to save wilderness areas from developers, miners and loggers when we who profess to love the wilds desecrate them in such a way?

Allan Miller
Mt Eliza, Vic

Krashing In

Thank you for mentioning the release of our Cascade TS polyethylene kayak in *Wild* no 18. There are two points that need clarifying. First, the Cascade TS was described as 'indestructible'. (Actually, we wrote 'claimed to be . . . indestructible'. Editor) However, this is a strictly relative term—it can be destroyed, but it will usually outlast at least five fibreglass kayaks of equal weight . . . Second, the price of \$390 was for an initial period of promotion only. The normal retail price is \$495 plus freight.

Kevin Rooke
Adventure Recreation Lines
Melbourne, Vic

Of Course!

My attention has been drawn to a statement in *Wild* no 18 concerning outdoor education courses offered at Bendigo College of Advanced Education. Without going into detail, for it is quite a complex issue, I would like to clarify the situation.

Both courses, the Bachelor of Arts (Outdoor Education) and the Associate Diploma in Adventure Leadership, are alive and well considering the circumstances. There have been some concerns about the discrepancy between the funding attracted from the government per student per year, and the cost per student per year . . .

Despite the difficulties, staff and administration at BCAE have carefully considered a possible reduction in the intake to at least one of the two courses, despite the fact that there were over 500 applications for the 40, or possibly fewer, positions available . . .

Phillip Payne
Head of Academic Area, Outdoor Education
Bendigo College of Advanced Education
Bendigo, Vic

Readers' letters are welcome. A selection will be published in this column. Letters of less than 200 words are more likely to be published. Write to the Editor, *Wild*, PO Box 415, Prahran, Victoria 3181.

EQUIPMENT For BUSHWALKING, TREKKING TRAVEL, ADVENTURE IS OUR GAME

Write or phone us for our new illustrated 1985 MAIL ORDER CATALOGUE which includes: Footwear, Sleeping Bags, Rucksacks, Gore-tex and other rainwear, Thermal Underwear, High Altitude Sunglasses, Back-Packing Stoves, Thermarests and all those other items on which your survival may depend.

OUR PRICES ARE LOW, OUR SERVICE AND EXPERTISE ARE THE BEST AND OUR MAIL ORDER SERVICE IS UNEQUALLED.

MOUNTAIN EQUIPMENT

291 Sussex Street, Sydney
Phone 264 3146, 267 3639



The WILDERNESS SHOP PTY LTD

For all your
BUSHWALKING
&
NORDIC SKI GEAR

- sales • hire •
- personal service •

1 Carrington Road
Box Hill Victoria
(03) 898 3742

WENGER GENUINE SWISS
ARMY KNIVES

BRISBANE, METROPOLITAN & SUBURBAN

Ipswich
 Underwood
 Chermidale
 Logan Home
 Brisbane
 Redcliffe
 Fortitude Valley
 Brisbane
 Redbank Plaza, Redbank
 Wynnum
 Ipswich
 Sunnybank Plaza
 Woolloongabba
 Brisbane
 Sherwood
 Leisure Dept's

CENTRES

Airfile Beach
 Tweed Heads
 Towallie
 Cairns
 Rockhampton
 Bowen
 Bundberg
 Mackay
 Nambour
 Pacific Fair, Gold Coast
 Southport
 Palm Beach
 Toowoomba
 Towallie
 Toowoomba
 Beenleigh
 Southport

UN & SUBURBAN

Adelaide
 Adelaide
 Adelaide
 Glenelg
 Adelaide
 Adelaide
 Adelaide
 Adelaide
 Adelaide

TRY CENTRES

Hindmarsh
 Murraybridge
 Prospect
 Ardara
 Salisbury
 Clovelly Park
 Fowler
 Cavan
 Victor Harbour

Mitcham
 Clayton
 Ferntree Gully
 Springvale
 Glen Waverley
 Box Hill
 Box Hill
 Malvern
 Moonee Ponds

Ballarat
 Bairnsdale
 View Point Bendigo
 Marong Village
 Bendigo
 Geelong
 Melbourne
 Monwille
 Sale
 Traralgon
 Warburton
 Shepparton
 Ballarat
 Kersing
 Albury
 Traralgon
 Wendouree
 Ballarat
 Lakes Entrance
 Echuca
 Hamilton
 Portland
 Wendouree
 Warrnambool
 Werribee
 Geelong
 Swan Hill
 Albury
 Werribee
 Geelong
 North Geelong
 Bendigo
 Geelong
 Shepparton
 Geelong
 Mildura
 Werribee
 Koroit
 Wonthaggi

Army Disposals
 Trading
 Cameron's
 City Disposals & Sports
 Disposals & Toys & Toy Centre
 East Coast Hardware
 Jolly Swagman
 Maxwell's Sports
 Max Stratton Marine
 Outdoor Equipment
 Outdoor Equipment
 The Scout Outdoor Centre
 Southern Cutlery Centre
 Sports & Leisure
 Sportsworld Eastland
 Terry Chariton Sports
 AUSTRALIAN CAPITAL TERRITORY
 Daymick Camping
 Daymick Camping
 C.S.E. Pty Ltd
 Fishing & Fitness
 Houdine Camping & Sport
 Jumbucka Camping Centre
 Mountain Designs
 Sydney Disposals
 The Tackle Box
 Wild Country
 NORTHERN TERRITORY
 Barr Enterprises
 Darulyn Shipstoppers
 Davies Sports Depot
 Fishermen's Outdoor World
 Fishing & Outdoor World
 Indoor Outdoor World
 Karamore Store
 Keith McNamee Sports Store

Army Disposals
 Ashwood Trading
 Cameron's
 City Disposals & Sports
 Devonport Sports & Toy Centre
 East Coast Hardware
 Jolly Swagman
 McConnell's Sports
 Max Stratton Marine
 Outdoor Equipment
 Ryans Indoor Outdoor
 The Scout Outdoor Centre
 Southern Cutlery Centre
 Sport & Dive
 Sportsworld Eastland
 Terry Charlton Sports

Daymak Camping	Mail, Belconnne
Daymak Camping	Woden Plaza, Phillip
C.S.E. Pty Ltd	Phillip
Fishing & Fitness	Fyshw
Houdine Camping & Sport	Belconnne
Jurkiewicz Camping Centre	Fyshw
Mountain Designs	Canben
Sydney Disposals	Canben
The Tackle Box	Belconnne
Wild Countru	Dickso

Dart Enterprises
Darwin Shipstores
Davies Sports Depot
Fishing & Outdoor World
Fishing & Outdoor World
Indoor Outdoor World
Katherine Stores
Keith Kemp's Sports Store

Boots Camping & Hiking
Cargills Camping & Leisure
Cargills Camping & Leisure
Cargills Camping & Leisure
Cargills Camping & Leisure
Go Camping
Go Camping
Mountain Designs
Pell's Surplus Stores
The Scout Outdoor Centre
Wellington Surplus Stores
Wilderness Equipment
Wild West Adventure Equipment

Victoria Park	Junior 180s Sports
Mandurah	O'Hallans Outdoor Experience
Morley	Rays Disposals
Myaree	Rays Disposals
Victoria Park	Rays Tent City
Balcatta	The Scout Outdoor Centre
Victoria Park	The Scout Outdoor Centre
Perth	Shepparton Army Disposals
Perth	Treasures Sports Store
Perth	Woolies Products
Perth	Wesgate Disposals
Perth Fremantle	Wimmera Outdoors
Fremantle	Wonthaggi Camping Centre

ONLY **WENGER** *Genuine* **SWISS ARMY KNIVES** **FEATURE SAFETY LOCKING BLADES**

**ASK TO SEE MODELS — 11065 HUNTER
11351 TRAPPER 11753 WARDEN**

**COMPARE THE PERFECTLY
EFFICIENT SCISSORS
AND OTHER
PRECISION
IMPLEMENTS**

**OVER 60
DIFFERENT
MODELS**

From
\$5.95
Recommended
Retail Price

**MODEL 12803
SUPER CHAMPION**
Includes key chain
and ring

The SWISS ARMY KNIFE as it is known today,
without visible rivets, was invented and
manufactured in Switzerland in the late 1950's by

WENGER



Many attempts are made to copy but only the
GENUINE SWISS ARMY KNIVES by **WENGER**
include:—

- The Authentic Implanted Swiss Cross
- Safety locking screwdriver/cap lifter
- Special patented scissors springing system
- Universal spanner & keyring with chain
- Written 5 year Guarantee — extended to 25 years in Australia
- The World's largest SWISS ARMY KNIFE (or "the smallest tool kit")
- 4 models with safety locking blades
- 3 models with map reading compass
- Printing of Company logos without charge
- Over 60 models including 9 budget models
- Many other features and advantages
- **Write for a FREE brochure**

**ASK YOUR FAVOURITE
OUTDOORS RETAILER
OR GIFT DEPARTMENT**

TRADE ENQUIRIES WELCOME:

SWIBO AUSTRALIA, Box 5248, Gold Coast Mail Centre 4217. Tel (075) 39 4888
State Agents: NSW (02) 872 5811 SA (08) 51 3064
TAS (002) 34 2845, (003) 31 3682
VIC (03) 877 5411 WA (09) 447 9005



**MODEL 11603
TRAVELLER**



... where the spirit of adventure begins
 ... where the technology to survive still remains!
 The choice for the 1984 US Mount Everest expedition.

JANSPORT

BACK-PACKING TENTS
 SNOW TENTS
 EXPEDITION PACKS
 TRAVEL PACKS
 DAY PACKS

Sole Australian Agents: OUTDOOR SURVIVAL AUSTRALIA Pty Ltd, 6 Dunn Crescent, Dandenong, Vic. 3175. Phone: (03) 791 2811 or (03) 791 2787. Telex: AA31597

WANTED

Young men and women 17-30 years
 men and women over 30 years.

Brave enough to have a good, penetrating look at themselves and how they handle life.

Adventurous enough to tackle the unknown and to face new challenges.

Bold enough to risk new social relationships and to work with other people to achieve.

Strong enough to leave all that is familiar and to seek an understanding of their future.

Excited enough to want to expedition, cave, raft, rock-climb, abseil, canoe, ski.

Interested enough to want to see some of the most magnificent mountains, bushland, rivers, rainforests and natural places in Australia.

and
Courageous enough to decide that NOW is the time to find out what Outward Bound really is all about.



OUTWARD BOUND AUSTRALIA
 Box 4213 GPO Sydney, N.S.W. 2001
 Telephone (02) 29 7784.

Please send me information about -

- Pack and Paddle for Boys and Girls 12-16 years ☐
- Standard Course Men and Women 17-30 years ☐
- Adult Course Men and Women Over 30 Years ☐

NAME

ADDRESS

P/Code Tel.....

AW AUTUMN '86

Trampers, Campers, Climbers, Caravanners and Boaties

MAKE A NUTRITIOUS TASTY MEAL IN ONLY TEN MINUTES

All you need is one of these



a bit of this
and Alliance
Freeze Dri

Freeze Dri contents are freeze dried. This means until reconstituted, they require no refrigeration and will keep for a minimum of two years in their sealed pouches.

The freeze drying process results in an extreme weight reduction without loss of nutritional value. Hence the pouches are easy to carry but reconstitute into flavoursome, highly nutritious meals simply with the addition of water, since only the best meats, vegetables, fruits and other ingredients are used in the preparation of Freeze Dri foods.

The following meals are available:

- | | |
|-------------------------------|-----------------------|
| *Lamb and Peas | Prime Beef Steak |
| *Beef and Beans | Macaroni Cheese |
| *Beef Curry and Rice | Apples |
| *Savoury Mince and Rice | Apricots |
| *Beef Casserole | Potato Flakes |
| Sweet and Sour Lamb | Yoghurt — Natural |
| Smoked Fish and Parsley Sauce | Yoghurt — Strawberry |
| Savoury Spaghetti | Yoghurt — Apricot |
| Chilli Con Carne | Yoghurt — Fruit Salad |

*These lines are also available in 300 g (5 serving) packs.

AVAILABLE FROM LEADING CAMPING AND OUTDOORS STORES

Marketed and Distributed by:

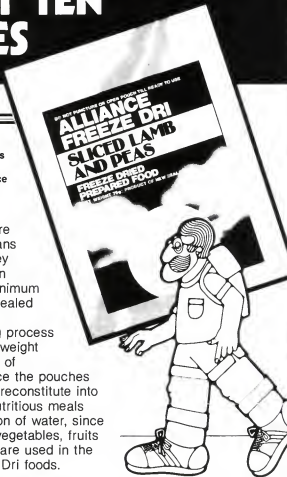
Karrimor Australia Pty Ltd
148 Queen Street
Alexandria NSW 2015
Phone (02) 698 3860

Richards McCallum Asia Ltd
PO Box 14
Abbotsford Victoria 3067
Phone (03) 419 4211

Manufactured by:



Alliance Freezing Company
Telex No NZ 5325
PO Box 845
Invercargill
New Zealand



FORGET THE REST

METZELER IS BEST

I want to put a Boat in my Boot!
Please send me information.

Name

Address

Postcode

Telephone

WAVES OVERSEAS Pty Ltd
142a Victoria Road, Gladesville,
NSW 2111. Ph (02) 817 1309, 817 1333

EXPLORERS WANTED

SCIENTIFIC LEADERS AND EXPEDITIONERS

During the summer of 1986-87 you could join a party of 40-50 young people 17-24 years of age on a unique expedition to north Queensland.

We will also take a small number of carefully selected mature-age expeditioners.

The going will be tough, the conditions difficult. You will be assisting in gathering valuable scientific data.

If adventure and science appeal, fill out the coupon below and post to: **ANZSES** PO Box 174, Albert Park, Victoria 3206. Telephone (03) 529 3783.

Name Age

Address

Postcode

Phone

ANZSES is sponsored by **ANZ**

Patron in Chief
HRH The Prince of Wales



What's the connection between duckweed and duck à l'orange?

It's all a question of nutrition.

Apart from being a culinary delight, duck à l'orange is rich in proteins, vitamins and minerals.

After you've taken what you need the Water Board takes what's left and, in three weeks, processes it through modern sewage treatment works until it is colourless and odourless.

In other words, clean water.

This process is a completely natural one using sedimentation, filtration and bio-organic techniques. We use no chemicals, just a little disinfecting chlorine.

From the inland treatment plants in the west and north-west of Sydney this clean water is released into the Hawkesbury/Nepean River system.

The clean water helps river flow in times of drought and is generally beneficial to the system.

Especially the plants.

Although the plants can have too much of a good thing, because the now colourless, odourless duck à l'orange is full of nitrogen and phosphorus.

Recently it has become clear that these invisible nutrients promote excessive growth in the plants, choking some parts of the river.

The Water Board is now spending up to \$85 million to make clean water 'fertilizer free' using recently developed nutrient removal technology.

This will make sure your duck à l'orange feeds you and only you.

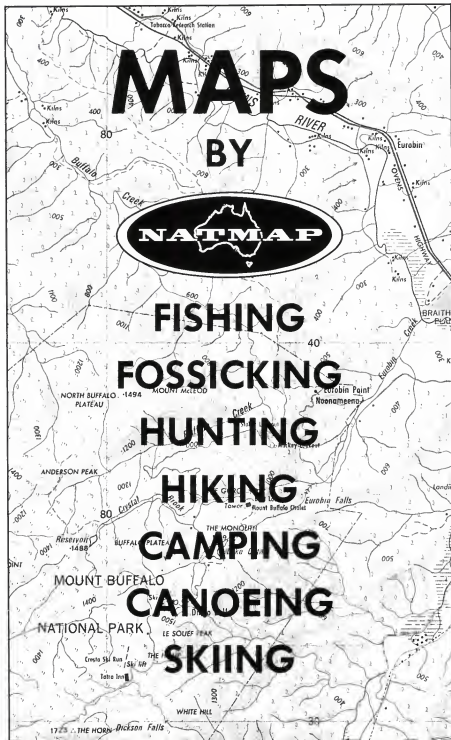
You keep on enjoying your duck. The Water Board is making sure the ducks on the Hawkesbury/Nepean system will continue to enjoy their duckweed.

But not too much of it. Ducks, like rivers, can have too much of a good thing.

THE WATER BOARD

Metropolitan Water, Sewerage and Drainage Board, Sydney





NATMAP, P.O. BOX 31,
BELCONNEN, A.C.T. 2616.

Please send brochures on comprehensive range
of maps and the address of my nearest stockist.

Name _____

Address _____

FLINDERS CAMPING

See us for the kind of quality
bushwalking equipment you can
rely on. We're makers of canvas and
cordura backpacks, travel packs,
baby carriers, gaiters, waterbuckets
and accessories for over 30 years.



**NEW
MEDIUM
EXPLORERS**
65 Litre
capacity.
\$195

Write or phone for a brochure.

Flinders Camping

300 GILLES STREET, ADELAIDE
TELEPHONE 223 1913

BACKPACKER'S PANTRY

Eggs!

AUSTRALIA'S ONLY
FREEZE DRIED
EGG DISHES

- Spicy Cheese Omelette
- Scrambled Eggs with
Baco Bits
- Scrambled Eggs
- Denver Omelette

Find them along with our 26 other
delicious, nutritious, light weight,
quick & easy to prepare, freeze-
dried meals and gourmet desserts
at leading outdoor stores.

Imported from the USA and distributed
wholesale by **Rare & Unique, Inc.**
29 Catlin Avenue, Batemans Bay N.S.W.
(044) 726049, (071) 921094

For information on how to get your business listed in this regular feature, please contact: W&P Publications Pty Ltd, PO Box 415, Prahran, Victoria 3181
Phone (03) 240 8482

Suppliers

Australian Capital Territory

CSE Camping Sports
Equipment Pty Ltd
11 Townshend Street
Phillip 2606
Ph (062) 82 3424

Jurkiewicz Camping Centre
47 Woolongong Street
Fishwick 2609
Ph (062) 80 6519

Mountain Designs
Shop 6 CAGA Centre
38 Akuna Street
Canberra 2601
Ph (062) 47 7153

Paddy Pallin Pty Ltd
11 Lonsdale Street
Braddon 2601
Ph (062) 47 8949

Scout Outdoor Centre
89 Petrie Plaza
Civic Square 2608
Ph (062) 57 2250

Wild Country
59 Woolley Street
Dickson 2602
Ph (062) 47 4539

New South Wales

Alp Sport Ski & Camping Centre
1045 Victoria Road
West Ryde 2114
Ph (022) 65 6099

Backpacker's Pantry
29 Catlin Avenue
Batehaven 2536
Ph (044) 72 6049

BBOs Galore
348 Hume Highway
Bankstown 2220
Ph (02) 707 3048

Canoe & Camping Supplies
265A Victoria Road
Gladesville 2111
Ph (02) 817 5590

Canoe Specialists
5 Wongala Crescent
Beecroft 2119
Ph (02) 84 3934

Caving Equipment
237 Sussex Street
Sydney 2000
Ph (02) 264 2095

Darnart
58 Clarence Street
Sydney 2000
Ph (02) 29 2366

Eastwood Camping Centre Pty Ltd
3 Trelawney Street
Eastwood 2122
Ph (02) 858 3833

Hallmark Leisure Goods Pty Ltd
80 Parramatta Road
Lidcombe 2141
Ph (toll free) (08) 02 2292

High Tops Equipment
PO Box 98
Glenbrook 2773
Ph (047) 58 6519

Katoomba Outdoor Centre Pty Ltd
285 Main Street
Katoomba 2780
Ph (047) 82 3467

Leisure Coast Canoe Services
492 Princes Highway
Woonona 2517
Ph (042) 64 1616

Mountain Designs
494 Kent Street
Sydney 2000
Ph (02) 267 8238

Mountain Equipment Pty Ltd
291 Sussex Street
Sydney 2000
Ph (02) 264 3146

Nordic Ski Centre
38 Kingsway
Cronulla 2230
Ph (02) 523 7222

Norski
74 Clarence Street
Sydney 2000
Ph (02) 29 7792

Paddy Pallin Jindabyne
Opposite Thredbo turn-off
Jindabyne 2627
Ph (0648) 62 458

Paddy Pallin Pty Ltd
195 Katoomba Street
Katoomba 2780
Ph (047) 82 2014

Paddy Pallin Pty Ltd
527 Kingsway
Miranda 2228
Ph (02) 525 6829

Paddy Pallin Pty Ltd
69 Liverpool Street
Sydney 2000
Ph (02) 264 2685

Paddy Pallin
252 Oxford Street
Woolahra 2025
Ph (02) 387 4082

Scout Outdoor Centre
Carrington Avenue
Hurstville 2220
Ph (02) 57 7842

Single Rope Technique Equipment
54 Blackshaw Avenue
Mortdale 2223
Ph (02) 57 6420

Southern Cross Equipment Pty Ltd
66 Archer Street
Chatswood 2759
Ph (02) 412 3372

Southern Cross Equipment Pty Ltd
222 Pacific Highway
Hornsby 2077
Ph (02) 476 5566

Southern Cross Equipment Pty Ltd
28 Phillip Street
Parramatta 2150
Ph (02) 633 4527

Southern Cross Equipment Pty Ltd
355 Kent Street
Sydney 2000
Ph (02) 29 4526

Superior Sportswear Pty Ltd
12 Cornelia Road
Toongabbie 2146
Ph (02) 631 9899

The Shop
Lucas-Chakola
PO Box 24
Kangaroo Valley 2577
Ph (044) 65 1222

Trek Outdoor Australia Pty Ltd
475 Princes Highway
Kirkcaldy 2232
Ph (02) 521 1322

Waves Overseas Pty Ltd
142A Victoria Road
Gladesville 2111
Ph (02) 817 1309

Wilderness Supplies
26 Sharp Street
Cooma 2630
Ph (0648) 21 587

Queensland

Adventure Camping Equipment
11 Ross River Road
Mundingburra 4812
Ph (077) 75 6116

Austen Canoes
29 Ipswich Road
Woolloongabba 4102
Ph (07) 391 8588

Ian Aitchison & Co Pty Ltd
42 Douglas Street
Milton 4064
Ph (07) 369 0965

Mountain Experience
95 Albert Street
Brisbane 4000
Ph (07) 221 6756

Queensland Conservation Council
Billabong Book Shop
Queen Street
Brisbane 4000
Ph (07) 231 4696

Rosco Canoes
382 Lutwyche Road
Windsor 4030
Ph (07) 57 7465

Scout Outdoor Centre
132 Wickham Street
Fortitude Valley 4006
Ph (07) 52 4744

Swybo (Australia) Pty Ltd
PO Box 5248
Gold Coast Mail Centre 4217
Ph (075) 39 4888

The Camping Centre
25 Ipswich Road
Woolloongabba 4102
Ph (07) 391 6930

Torre Mountain Craft Pty Ltd
Shop 10
800 Sherwood Road
Sherwood 4075
Ph (07) 379 5549

South Australia

Canoe Sport
PO Box 571
North Adelaide 5006
Ph (08) 46 1263

Flinders Camping
300 Gilles Street
Adelaide 5000
Ph (08) 223 1913

Summit Camping and Hiking
656 South Road
Glendore 5037
Ph (08) 297 4769

The Scout Shop & Outdoor Centre
107 Pirie Street
Adelaide 5000
Ph (08) 223 5544

Thor/Paddy Pallin Adventure Equipment
40 Waymouth Street
Adelaide 5000
Ph (08) 212 7857

Thor/Paddy Pallin Adventure Equipment
213B Unley Road
Malvern 5061
Ph (08) 271 9640

Tasmania

Alligoods Pty Ltd
71 York Street
Launceston 7250
Ph (003) 31 3644

Jolly Swagman
107 Elizabeth Street
Hobart 7000
Ph (002) 34 3680

Outdoor Equipment
135 Elizabeth Street
Hobart 7000
Ph (002) 34 6213

Paddy Pallin
32 Criterion Street
Hobart 7000
Ph (002) 31 0777

Paddy Pallin Adventure Equipment
124 St John Street
Launceston 7250
Ph (003) 31 4240

The Scouting & Camping Shop
107 Murray Street
Hobart 7000
Ph (002) 34 3865

Young's Outdoor Gear
35 Wilson Street
Burnie 7320
Ph (004) 31 6706

Victoria

Adventure Recreation Lines Pty Ltd
360 Spencer Street
West Melbourne 3003
Ph (03) 328 3453

Auski Sales Pty Ltd
9 Hardaware Street
Melbourne 3000
Ph (03) 67 1412

Directories

Bendigo Adventure Activities
5 Bath Lane
Bendigo 3550
Ph (054) 43 8620

BG's Outdoors
59-101 Maroonah Highway
Ringwood 3134
Ph (03) 870 8888

Broadway Disposals
234 Broadway
Reservoir 3073
Ph (03) 460 6621

Bush & Mountain Sports Pty Ltd
204 La Trobe Street
Melbourne 3000
Ph (03) 662 3349

Canoe Equip
Shop 11
427 Hampton Street
Hampton 3188
Ph (03) 598 8814

Canoe Factory
22 High Street
Glen Iris 3146
Ph (03) 25 5159

Canoes Plus
140 Cotham Road
Kew 3101
Ph (03) 817 5934

Chandler's Outdoor & Ski
71 Fryers Street
Shepparton 3630
Ph (058) 21 4228

Current Craft Plastic Kayaks
360 Spencer Street
West Melbourne 3003
Ph (03) 328 3453

Eastern Mountain Centre
401 Riversdale Road
Camberwell Junction 3123
Ph (03) 82 7229

Eastern Mountain Centre
115 Canterbury Road
Heathmont 3135
Ph (03) 729 7844

Environment Centre Bookshop
285 Little Lonsdale Street
Melbourne 3000
Ph (03) 663 1561

Marechal Camping Supplies
37 Lonsdale Street
Dandenong 3175
Ph (03) 793 2711

Melbourne Map Centre
740 Waverley Road
Chadstone 3148
Ph (03) 569 5472

Mountain Designs
377 Little Bourke Street
Melbourne 3000
Ph (03) 67 3354

Mountain Sports Wodonga
25 South Street
Wodonga 3690
Ph (060) 24 5488

Out & About Outdoor Equipment
275 Hampton Street
Hampton 3188
Ph (03) 598 7870

Outdoor Gear
1213A Sturt Street
Ballarat 3350
Ph (053) 32 7516

Outdoor Ventures Geelong
Shop 11
Pakington Arcade
Pakington Street
Geelong West 3218
Ph (052) 22 4949

Outgear Pty Ltd
12 Williamson Road
Maribyrnong 3032
Ph (03) 317 8886

Outposts
340B Hawthorn Road
Caulfield 3162
Ph (03) 523 5727

Paddy Pallin Pty Ltd
55 Hardware Street
Melbourne 3000
Ph (03) 67 9485

Ray's Disposals
146 Ryrie Street
Geelong 3220
Ph (052) 93 278

Ray's Tent City
Bush Hut
195 Nepean Highway
Gardenvale 3185
Ph (03) 596 3816

Sam Bear Specialist Camping
Store
225 Russell Street
Melbourne 3000
Ph (03) 663 2191

Scout Outdoor Centre
79 Mitchell Street
Bendigo 3550
Ph (054) 43 8226

Scout Outdoor Centre
33 Myers Street
Geelong 3220
Ph (052) 21 6618

Scout Outdoor Centre
360 Lonsdale Street
Melbourne 3000
Ph (03) 67 1177

Scout Outdoor Centre
20 Station Street
Mitcham 3132
Ph (03) 873 5061

Scout Outdoor Centre
880 Nepean Highway
Moorabbin 3189
Ph (03) 555 7255

Snow Ski Pty Ltd
68 Whitehorse Road
Deepland 3103
Ph (03) 817 4683

The Wilderness Shop Pty Ltd
1 Carrington Road
Box Hill 3128
Ph (03) 898 3742

Western Australia

Boots Camping & Hiking
270 Albany Highway
Victoria Park 6100
Ph (09) 362 3122

Mountain Designs
852 Hay Street
Perth 6000
Ph (09) 322 4774

Paddy Pallin Adventure Equipment
74/59 East Parade
East Perth 6000
Ph (09) 325 5984

The Canoe Shop
924 Albany Highway
Victoria Park East 6101
Ph (09) 362 6864

The Scout Shop and
Outdoor Centre
581 Murray Street
Perth 6000
Ph (09) 321 5259

Western Canoe Centre
261 Queen Victoria Street
North Fremantle 6159
Ph (09) 335 9173

Wilderness Equipment
29 Jewell Parade
North Fremantle 6159
Ph (09) 335 2813

Wild West Adventure Equipment
33A Adelaide Street
Fremantle 6160
Ph (09) 335 9299

New Zealand

Alp Sports
DFC House
Corner Queen and Rutland Streets
Auckland
Ph (09) 39 4615

Alp Sports Mountain Shop
235 High Street
Christchurch
Ph (03) 67 148

Alp Sports Wellington Ltd
Public Trust Office
125 Lambton Quay
Wellington
Ph (04) 72 0673

Mainly Tramping
Level 1
Grand Arcade
Willis Street
Wellington
Ph (04) 73 5353

Mountain Guides New Zealand
PO Box 93
Twizel
Ph (Twizel) 737

Hong Kong

Mountain Services International Ltd
Room 102, 32 Morrison Hill Road
Wanchai
Ph (Hong Kong) 573 3313

Adventure activities

Australian Capital Territory

Paddy Pallin Adventure Travel
11 Lonsdale Street
Braddon 2601
Ph (062) 47 8949

Wilderness Expeditions
9 Sargood Street
O'Connor 2601
Ph (062) 49 6634

Wildrivers Adventure River Trips
PO Box 140
Dickson 2602
Ph (062) 47 4539

New South Wales

Access to China
5th Floor
58 Pitt Street
Sydney 2000
Ph (02) 241 1128

Adventure Travel
1st Floor
117 York Street
Sydney 2000
Ph (02) 264 6033

Asian Pacific Adventure Tours
13 Veronica Place
Lofus 2232
Ph (02) 521 6515

Australian Himalayan Expeditions
3rd Floor
377 Sussex Street
Sydney 2000
Ph (02) 264 3366

Ausventure
Suite 1
870 Military Road
Mosman 2088
Ph (02) 960 1677

Blue Mountains Climbing School
285 Main Street
Katoomba 2780
Ph (047) 82 3467

Dragoman Overland
5th Floor
58 Pitt Street
Sydney 2000
Ph (02) 241 1128

Encounter Overland Ltd
10th Floor
66 King Street
Sydney 2000
Ph (02) 29 1511

Kosciusko Expeditions
c/- Paddy Pallin Jindabyne
PO Box 72
Jindabyne 2627
Ph (0648) 62 458

Leisure Coast Canoe Services
492 Princes Highway
Woomaa 2517
Ph (042) 64 1616

Lucas-Chakola Adventure Pursuits
PO Box 24
Kangaroo Valley 2577
Ph (044) 65 1222

New Guinea Expeditions
4th Floor
28 O'Connell Street
Sydney 2000
Ph (02) 231 6066

Nymboida Whitewater Raftering
Expeditions
PO Box 224
Woolgoolga 2450
Ph (066) 54 1788

Outward Bound
GPO Box 4213
Sydney 2001
Ph (02) 29 7784

Rockcraft Climbing School
and Mountain Guides
195 Katoomba Street
Katoomba 2780
Ph (047) 82 2014

Scobie's Walkabout Pty Ltd
PO Box 143
Newcastle 2300
Ph (049) 23 025

Somerset Outdoor Education
Centre (Colo River)
c/- 222 Pacific Highway
Hornsby 2077
Ph (02) 476 5566

Survival Skills
140 Vincent Street
Cessnock 2325
Ph (049) 90 7366

Tasmanian River Rafterers Pty Ltd
PO Box 344
Matraville 2036
Ph (02) 606 5022

Transglobal (Egypt)
5th Floor
58 Pitt Street
Sydney 2000
Ph (02) 241 1128

Trek-About Tours
Barrington Road
Gloucester 2422
Ph (065) 58 2093

Wilderness Expeditions
26 Sharp Street
Cooma 2630
Ph (0648) 21 587

Wilderness Expeditions
Suite 807
Australia Square
Sydney 2000
Ph (02) 27 8744

Northern Territory

Pandanus Canoe Safaris
PO Box 1486
Darwin 5794
Ph (089) 85 3475

Willis's Walkabout
12 Carrington Street
Miller 5792
Ph (089) 85 2134

Queensland

Australian Himalayan Expeditions
— Jim the Backpacker
Shop A21
Queens Arcade
77 Queen Street
Brisbane 4000
Ph (07) 229 6609

Back Track Expeditions
120 Stoneleigh Street
Lutwyche 4030
Ph (07) 57 1573

Climb High
PO Box 93
Broadway 4006
Ph (07) 52 8804

INTERNATIONAL PARKTOURS
36 Curlew Street
Toowoong 4066
Ph (07) 371 5704

Mackay Rockports
22 Lindeman Avenue
Lamberts Beach
Mackay 4741
Ph (079) 55 1273

Outdoor Adventures
1 Murrageon Street
Jindalee 4074
Ph (07) 376 4589

Raging Thunder White-water Raftering
Expeditions
134 Sheridan Street
Cairns 4870
Ph (070) 51 4148

Rossville Nature Walking Tours
PO Box 82
Cooktown 4871
Ph (070) 89 5206

South Australia

Mountain Adventure
40 Waymouth Street
Adelaide 5000
Ph (08) 212 7857

Osprey Wildlife Expeditions
278 Strathalbyn Road
Aldgate 5154
Ph (08) 339 4899

Riverland Canoeing Adventures
PO Box 962
Lorton 5333
Ph (085) 84 1494

Scout Outdoor Travel Centre
107 Pirie Street
Adelaide 5000
Ph (08) 232 5544

Thor Adventure Travel
40 Waymouth Street
Adelaide 5000
Ph (08) 212 7857

Tasmania

Bushwalkers Bus Service
PO Box 433
Launceston 7250
Ph (003) 34 0442

Bushwalkers Transport
28 Criterion Street
Hobart 7000
Ph (002) 34 2226

Craclair Tours
PO Box 516
Devonport 7310
Ph (004) 24 3971

Maxwell's Adventure Tours
and Bus Service
Wilmot 7310
Ph (004) 92 1431

Paddy Pallin Adventure Travel
32 Criterion Street
Hobart 7000
Ph (002) 31 0777

Par-Avion
PO Box 300
Sandy Bay 7005
Ph (002) 48 5390

Tasair Pty Ltd
Cambridge Aerodrome
Cambridge 7170
Ph (002) 48 5088

Tasmanian River Rafterers Pty Ltd
RSD 3648
North Huon Road
Judbury 7109
Ph (002) 66 0230

Wilderness Tours
c/- Robert H Geaves
Arve Road
Geeveston 7116
Ph (002) 97 1384

Victoria

Australian and New Zealand
Scientific Exploration Society
PO Box 174
Albert Park 3206
Ph (03) 529 3783

Australian Himalayan Expeditions
Suite 602
126 Wellington Parade
East Melbourne 3002
Ph (03) 419 2333

Base Camp & Beyond
'Musbury'
PO Box 37
Halls Gap 3381
Ph (053) 58 4300

Bogong Jack Adventures
PO Box 209
Wangaratta 3677
Ph (057) 21 2564

Endless Horizons
55 Walker Parade
Churchill 3842
Ph (051) 22 2430

High Country Adventure Pty Ltd
PO Box 287
Mansfield 3722
Ph (057) 75 2511

Mountain Activities
PO Box 14
Ashburton 3147
Ph (03) 25 8133

Outdoor Travel Centre
1st Floor
377 Little Bourke Street
Melbourne 3000
Ph (03) 67 7252

Outdoor Ventures Geelong
Shop 1
Pakington Arcade
Pakington Street
Geelong West 3218
Ph (052) 22 4949

Peregrine Expeditions
9th Floor
343 Little Collins Street
Melbourne 3000
Ph (03) 602 3066

Sheer Height
PO Box 20
Natimuk 3409
Ph (053) 87 1329

Snowy River Expeditions
PO Buchan 3885
Ph (051) 55 9373

Snowy River Outriders
PO Box 399
Orbost 3888
Ph (051) 54 1089

Spindrift International Guiding
PO Box 207
Camberwell 3124
Ph (051) 44 4864

Victorian Board of Canoe Education
140 Colham Road
New South
Ph (03) 871 6030

Wilderness Travel Centre
59 Hardway Street
Melbourne 3000
Ph (03) 67 5101

Wildtrek Ltd
9th Floor
343 Little Collins Street
Melbourne 3000
Ph (03) 602 3066

Western Australia

Australian Himalayan Expeditions
— Sundowners Travel
2nd Floor
133 St Georges Terrace
Perth 6000
Ph (09) 321 2335

Blackwood Expeditions
PO Box 68
Nannup 6275
Ph (097) 56 1081

Wildside Adventure Excursions
PO Box 96
Bassendean 6054
Ph (09) 279 1750

New Zealand

Alpine Guides Mt Cook Ltd
PO Box 20
Mt Cook National Park
Ph (Mt Cook) 834

Alpine Guides (Westland) Ltd
PO Box 38
Fox Glacier
Ph (Fox Glacier) 825

Alpine Recreation Canterbury Ltd
PO Box 75
Lake Tekapo
Ph (05056) 736

Alpine Ventures
PO Box 426
Queenstown
Ph (Queenstown) 1480M

Mountain Guides New Zealand
PO Box 93
Twizel
Ph (Twizel) 737

Mountain Recreation
PO Box 204
Wanaka
Ph (02943) 7330

Plateau Guides Ltd
PO Box 29
National Park
Ph (081) 22 2854

Ski Guides NZ Ltd
PO Box 177
Wanaka
Ph (Wanaka) 7930

Venture Treks Ltd
PO Box 37-610 Parnell
Auckland
Ph (Auckland) 79 9855

Papua New Guinea

Australian Himalayan Expeditions
— Pacific Expeditions
PO Box 132
Port Moresby
Ph (Port Moresby) 25 7803

Nepal

Sherpa Co-operative Trekking (P) Ltd
PO Box 1338
Karnali Pokhari
Kathmandu
Ph (Kathmandu) 41 3887

Treks & Expedition Services Pvt Ltd
PO Box 3057
Karnali Pokhari
Kathmandu
Ph (Kathmandu) 41 2231

Ph (Kathmandu) 41 2231

Ph (Kathmandu) 41 2231

Ph (Kathmandu) 41 2231

Ph (Kathmandu) 41 2231

Ph (Kathmandu) 41 2231

Ph (Kathmandu) 41 2231

Ph (Kathmandu) 41 2231

Ph (Kathmandu) 41 2231

Ph (Kathmandu) 41 2231

Ph (Kathmandu) 41 2231

Ph (Kathmandu) 41 2231

Ph (Kathmandu) 41 2231

Ph (Kathmandu) 41 2231

Ph (Kathmandu) 41 2231

Ph (Kathmandu) 41 2231

Ph (Kathmandu) 41 2231

Ph (Kathmandu) 41 2231

Ph (Kathmandu) 41 2231

Ph (Kathmandu) 41 2231

Ph (Kathmandu) 41 2231

Ph (Kathmandu) 41 2231

Ph (Kathmandu) 41 2231

Ph (Kathmandu) 41 2231

Ph (Kathmandu) 41 2231

Ph (Kathmandu) 41 2231

Ph (Kathmandu) 41 2231

Ph (Kathmandu) 41 2231

Ph (Kathmandu) 41 2231

Ph (Kathmandu) 41 2231

Ph (Kathmandu) 41 2231

Ph (Kathmandu) 41 2231

Ph (Kathmandu) 41 2231

Ph (Kathmandu) 41 2231

Ph (Kathmandu) 41 2231

Ph (Kathmandu) 41 2231

Ph (Kathmandu) 41 2231

Ph (Kathmandu) 41 2231

Ph (Kathmandu) 41 2231

Ph (Kathmandu) 41 2231

Ph (Kathmandu) 41 2231

Ph (Kathmandu) 41 2231

Ph (Kathmandu) 41 2231

Ph (Kathmandu) 41 2231

Ph (Kathmandu) 41 2231

Ph (Kathmandu) 41 2231

Ph (Kathmandu) 41 2231

Ph (Kathmandu) 41 2231

Ph (Kathmandu) 41 2231

Ph (Kathmandu) 41 2231

Ph (Kathmandu) 41 2231

Ph (Kathmandu) 41 2231

Ph (Kathmandu) 41 2231

Rockclimbing equipment — new, still in wrappings. Harnesses — Williams, S.M.L. \$47. Ropes — Edelrid 11 mm, 45 metres \$120. Cousin 10.5 mm, 45 metres \$120, 8.5 mm, 45 metres \$95. Outdoor clothing — fibreglass jackets \$45, fibreglass mittens \$11, waterproof heavy duty overtrousers \$25, canoe cap with padded collar, neoprene cuffs \$35. Fibreglass material — good quality, two thicknesses, colours \$20/metre. Write to: Bill Gammon, PO Box 856, Bendigo 3550, for details.

Rockclimbing helmet, Large Joe Brown. \$15. Phone Chris (03) 240 8482

Rockclimbing instruction. Learn to climb and abseil in complete safety with Blue Mountains Climbing School. BMCS is the largest and most respected school of its kind in the country. Our guides are highly regarded as Australia's finest and most dedicated instructors, a reputation gained by placing safety and client satisfaction above all else. We offer a range of courses as well as private instruction and guided climbs on any day of the year. Bookings can be made at short notice, just give us a ring. All participants receive a complimentary logbook and certificates for completed courses. All equipment, transport and a delicious lunch is provided. Our instructor, Andrew Penney, is an experienced instructor and guide who has introduced hundreds of people to climbing as well as having compiled five popular rockclimbing guidebooks. Contact us for a brochure and more information at 285 Main Street, Katoomba, NSW 2780. Phone (047) 82 3467.

Survival Courses. Every weekend, Hunter Valley, NSW, basic survival skills. Includes first aid, map reading, shelters, abseiling, fires and hypothermia. Each weekend limited to 14 people. Groups specially catered for. Survival Skills, 140 Vincent Street, Cessnock, NSW. (049) 90 7366.

Topographic Maps. Natmaps cover Australia at 1:250,000 scale and popular areas at 1:100,000 scale. Free catalogues, PO Box 31, Belconnen, ACT 2616, or from accredited retailers.

Warwick Deacock Specialized Consulting, 30 years' experience. Expedition, funding, public relations. Make a dream come true. PO Box 100, Mosman, NSW 2088.

Wild Clothing Sales. Discontinued lines going cheap! Only a few items available. 'Take a Walk on the Wild Side', light blue writing on cream T-shirts \$5.95, 2 x size 14A, 1 x size 16, long-sleeved windbreakers \$15.95, 1 x size 12A, 3 x size 14A, 3 x size 16. 'Take a Walk on the Wild Side' (large words), light brown writing on cream T-shirts \$5.95, 3 x size 14A, long-sleeved windbreakers \$15.95, 1 x size 12A. 'Discover Wilderness', light and dark blue writing on cream T-shirts \$5.95, 2 x size 14A. If in doubt regarding sizing, allow for larger size (where available). Price includes packaging and surface postage anywhere in Australia. Add \$1.50 for each garment to overseas addresses. Allow several weeks for delivery. Because numbers are very limited, please telephone first to determine availability. Send cheque/money order and details, including size to Wild Publications Pty Ltd, PO Box 415, Prahran, Victoria 3181.

Send cheque/money order and details, including size to Wild Publications Pty Ltd, PO Box 415, Prahran, Victoria 3181.

Send cheque/money order and details, including size to Wild Publications Pty Ltd, PO Box 415, Prahran, Victoria 3181.

Send cheque/money order and details, including size to Wild Publications Pty Ltd, PO Box 415, Prahran, Victoria 3181.

Send cheque/money order and details, including size to Wild Publications Pty Ltd, PO Box 415, Prahran, Victoria 3181.

Send cheque/money order and details, including size to Wild Publications Pty Ltd, PO Box 415, Prahran, Victoria 3181.

Send cheque/money order and details, including size to Wild Publications Pty Ltd, PO Box 415, Prahran, Victoria 3181.

Send cheque/money order and details, including size to Wild Publications Pty Ltd, PO Box 415, Prahran, Victoria 3181.

Send cheque/money order and details, including size to Wild Publications Pty Ltd, PO Box 415, Prahran, Victoria 3181.

Send cheque/money order and details, including size to Wild Publications Pty Ltd, PO Box 415, Prahran, Victoria 3181.

Send cheque/money order and details, including size to Wild Publications Pty Ltd, PO Box 415, Prahran, Victoria 3181.

Send cheque/money order and details, including size to Wild Publications Pty Ltd, PO Box 415, Prahran, Victoria 3181.

Send cheque/money order and details, including size to Wild Publications Pty Ltd, PO Box 415, Prahran, Victoria 3181.

Send cheque/money order and details, including size to Wild Publications Pty Ltd, PO Box 415, Prahran, Victoria 3181.

Send cheque/money order and details, including size to Wild Publications Pty Ltd, PO Box 415, Prahran, Victoria 3181.

Send cheque/money order and details, including size to Wild Publications Pty Ltd, PO Box 415, Prahran, Victoria 3181.

Send cheque/money order and details, including size to Wild Publications Pty Ltd, PO Box 415, Prahran, Victoria 3181.

Send cheque/money order and details, including size to Wild Publications Pty Ltd, PO Box 415, Prahran, Victoria 3181.

Federation of Victorian Walking Clubs (Vicwalk) — makes submissions to government agencies to maintain the best possible bushwalking environment • encourages all walking groups to affiliate • runs a search and rescue section • publishes safety and information material and a list of clubs. GPO Box 815F, Melbourne 3001.

Friends of Bogong National Park. Join us bushwalking, ski touring and project activities. 3 Coling Avenue, Carnegie 3163, (03) 569 5729

Melbourne Bushwalkers. Day walks, weekend and extended trips, social functions, ski touring, slides Club night every Wednesday 7-9 pm upstairs, 377 Little Bourke Street (Mountain Designs building), for booking on trips, information, socializing. Visitors always welcome. GPO Box 1751Q, Melbourne 3001.

Newcastle and Hunter Speleological Society. Adventure underground, exciting and interesting. Also, non-caving and social activities. New members welcome. Interested persons should contact Public Relations Officer on (049) 43 3769.

1986 is the 40th anniversary of Karamuka Bushwalking Club. The club is trying to contact past members. Further information can be obtained from PO Box 152, North Stratfield 2137.

The Federation of Bushwalking Clubs NSW Bushwalkers Search and Rescue. For general enquiries write to PO Box 228, West Ryde, NSW 2114. For emergencies, only, contact: Keith Maxwell (02) 622 0049 (h), (02) 88 9231 (w); Peter Treseder (02) 48 4182 (h), (02) 808 2011 (w); Keith Williams (02) 86 4282 (h), (02) 635 8644 (w).

The Himalayan Club (established 1926). Membership invited, PO Box 54, Mosman 2088. To encourage and assist Himalayan travel and exploration, and to extend knowledge of the Himalaya and adjoining mountain ranges through science, literature, art, and sport.

The Victorian Climbing Club meets at 8 pm on the last Thursday of each month (except December, and second last Thursday in September) at 188 Gatehouse Street, Parkville 3052. Visitors and new members interested in rockclimbing are welcome. Contact the Secretary, GPO Box 1725F, Melbourne, Victoria 3001.

YHA Activities meet every Monday (except public holidays) at 8 pm at Horticultural Hall, 33 Victoria Street, Melbourne (opposite Trades Hall). Activities include bicycle touring, bushwalking, canoeing, field studies, horse riding, Nordic skiing, portable hostels, sailing, scuba diving, water-skiing. New members welcome. Contact YHA Victoria, 122 Flinders Street, Melbourne (03) 654 5422.

Subscribe to **Wild** or
renew your subscription

By Phone

**Bankcard, MasterCard
and Visa now available.
See form in this issue.**

Classifieds

80 cents a word (minimum \$60) prepaid
Desires, 15 January (autumn issue), 15 April
(winter), 15 July (spring), 8 October (summer)
Advertisements will be inserted in first
available issue.

We reserve the right to alter or reject any
advertisement and will not be held responsible
for errors, although every care is taken to avoid
them.

All advertisements are accepted on the
express condition that they do not in any way
infringe the Trade Practices Act or violate any
existing copyright or Trade Mark.

Send order and payment to Wild
Publications Pty Ltd, PO Box 415, Prahran,
Victoria 3181.

Antarctic. Interested in a
sailing/mountaineering trip to the
Antarctic peninsula in a jointly-built
yacht? Contact John Tighe, 30 Martin
Street, Haberfield, NSW 2045.

Backpacking, mountaineering, ski
tours in Canadian Monashees, Selkirk,
Purcell, Rockies, Foothills, tenting
included. WALKABOUT TOURS INC,
Leon Blumer, #201 1453 Ellis Street,
Kelowna, British Columbia V1Y 2A3,
Canada

Nullarbor Down Under. Explore some
of the most awesome and extensive
caves in Australia. Experienced guides
lead you through a spectacular
subterranean world of lakes, valleys,
sand dunes and 'mountain ranges'.
Experience the thrill of 'space-walking'
in lakes so clear and deep that only
immersion betrays their presence. A
unique expedition through Mulumul-
langu, the largest cave in Australia,
Koonalda Cave and Cocklebury Cave,
which contains the largest underground
lake in the Southern hemisphere,
among other equally spectacular caves.
Don't miss out on one of the most
exhilarating experiences of your life! No
previous caving experience is
necessary. Twelve days fully inclusive.
\$825, departs 25 May 1986. Contact
OSPREY Wildlife Expeditions, 27B
Strathalbyn Road, Algate, SA 5154.
Phone (08) 339 4899.

Club News

Clubs are invited to use this column to
advertise their existence for the benefit of
the widest possible section of their areas, to keep
members in touch and to give notice of their
meetings and other events.
25 cents a word (minimum \$3.00) for the
first 10 words, then 60 cents a word, prepaid.
Send notice and payment to Wild Publications
Pty Ltd, PO Box 415, Prahran, Victoria 3181.

Wild Shot



Jean Symes celebrating
her 25th birthday.
Franklin River, Tasmania.
Mike O'Neill

Wild welcomes slides for
this page; payment for
slides is at our standard
rates. Mail slides to Wild,
PO Box 415, Prahran,
Victoria 3181.

Going somewhere special?

TAKE A HALLMARK MODULAR TRAVEL PACK SYSTEM



They're out of this world **Hallmark**

Available from Sports, Mountain & Camping Stores

S H E L L W E A R

		<ul style="list-style-type: none"> • CROSS-COUNTRY SKIING • • BACKPACKING • TREKKING • <p>CIRRUS</p> <ul style="list-style-type: none"> • Three-ply Taslon Goretex • Inside wallet/map pocket • Velcro flap over full length zipper • Extra long, fully-cut styling • Fixed hood • Patch pockets • \$169 	
<ul style="list-style-type: none"> • DOWNHILL SKIING • • TRAVELLING • <p>LIGHT FANTASTIC</p> <ul style="list-style-type: none"> • Lightweight three-ply Goretex • High collar • Kangaroo pocket and two handwarmer pockets • Drawcord hem • \$159 			<ul style="list-style-type: none"> • CROSS-COUNTRY SKIING • <p>SKI CIRRUS</p> <ul style="list-style-type: none"> • Two-tone styling in 3-ply Goretex • Inside map/wallet pocket • Velcro flap over full length zipper • Extra long, fully-cut styling • Fixed hood • Patch pockets • \$179
<ul style="list-style-type: none"> • EXTREME WEATHER TRAVEL • SKI TOURING • <p>STRATUS</p> <ul style="list-style-type: none"> • Three-ply Taslon Goretex • Full length zipper with Velcro stormflap • 2 large cargo/handwarmer pockets • Fully waterproof drawcord waist and spray skirt • Waterproof internal map pocket • Multi-adjustable visor hood will not restrict vision • \$199 	<ul style="list-style-type: none"> • JOGGING • TRAINING • <p>WARMUP TOP</p> <ul style="list-style-type: none"> • Lightweight 3-ply Goretex • Full zip with draft flap • Vented back for added breathability • Two waterproof handwarmer pockets • Warm by marathon runner Cliff Young • \$179 	<ul style="list-style-type: none"> • TRAVELLING • • BUSHWALKING • <p>ARETE</p> <ul style="list-style-type: none"> • Three-ply Goretex • Slash handwarmer pockets with storm flaps • Fully-cut styling • Fixed hood • Velcro flap over full-length zipper • \$139 	
		<ul style="list-style-type: none"> • SKIING • BACKPACKING • • TREKKING • <p>CIRRUS PANTS</p> <ul style="list-style-type: none"> • Three-ply Taslon Goretex • Calf zip with storm gusset • Cordura scuff pads • Drawcord front, elasticised back • \$99 	<ul style="list-style-type: none"> • SKIING • • SKI PROFESSIONS • <p>STRATUS PANTS</p> <ul style="list-style-type: none"> • These are a full-zip version of the Cirus Pants • \$139
<ul style="list-style-type: none"> • CYCLE TOURING • • SKI TOURING • <p>QUANTUM</p> <ul style="list-style-type: none"> • Two-ply Goretex breathable fabric • 100 percent wind and waterproof • Folds to pocket size • \$69 <p>PHOTON</p> <ul style="list-style-type: none"> • 100 percent breathable silky nylon • Windproof • Folds to pocket size • \$39 		<ul style="list-style-type: none"> • DOWNHILL SKIING • <p>WESTWIND</p> <ul style="list-style-type: none"> • Taslon Goretex outer • Lined with Silikon • Two cargo/handwarmer pockets and two chest pockets • Fixed hood • \$249 	

